

\$10⁰⁰ - 10% off
\$50⁰⁰ - 20% off

WILLIAMS

AUTOMOTIVE AND AIRCRAFT TOOLS

J. H. WILLIAMS & CO.

ESTABLISHED 1882 — INCORPORATED JULY 1, 1895

GENERAL OFFICES AND FACTORY

400 VULCAN STREET

BUFFALO 7, NEW YORK

DISTRICT SALES OFFICE

225 Lafayette St., New York 12

DISTRICT SALES OFFICES AND WAREHOUSES

117 North Jefferson Street, Chicago 6

2266 East 38th Street, Los Angeles 11

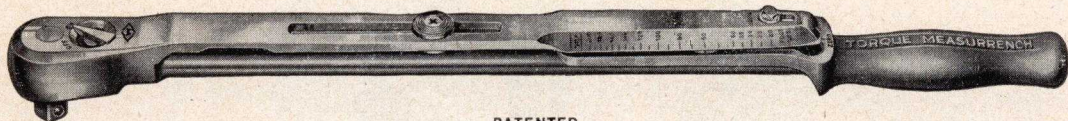
PRINTED IN U.S.A.

INDEX OF WILLIAMS' AUTOMOTIVE TOOLS

Arranged Alphabetically

ARTICLE	PAGE	ARTICLE	PAGE
ADJUSTABLE WRENCHES		SOCKETS, HANDLES and PARTS—Cont'd.	
Adjustable (Carbon).....	53	Drag Link Socket Bits.....	16
"Superjustable" (Alloy).....	54	Extra Deep Sockets.....	5, 11, 18
BODY and FENDER REPAIR TOOLS		Extra Heavy Duty—1" Hex Drive.....	30, 31
Dolly Blocks.....	71	Ford Specialties.....	50
Files (Flexible Curved Tooth).....	72	Heavy Duty—3/4" Square Drive.....	26, 27
Hammers.....	70	Hollow-Screw, Allen type.....	39
Spoons, etc.....	71	Kits—see Sets	
BRAKE TOOLS		"Measurrench"—Torque.....	3, 16
Brake Tool 1998B.....	51	Metric Measure.....	74
Pliers and Wrenches.....	51	Midget—1/4" Square Drive.....	4, 5
CHARTS — Service Application		Ratchets.....	3, 10, 16, 26, 30, 40
Spark Plug Sockets.....	19	Refrigeration Service.....	40, 41
Tappet Wrenches.....	60	Sets—"Supersockets" and Parts.....	6 to 9, 12 to 15,
CHISELS	68	18, 20 to 25, 28, 29, 32 to 37, 39, 41, 75	
Sets.....	69	Spark Plug Sockets.....	18
CLAMPS		Standard—1/2" Square Drive.....	16, 17, 18
"C"—6 Patterns (including Spatter-Resisting).....	77	"Superratchets"—Reversible.....	3, 10, 16, 26, 30, 40
Machinists' (parallel jaws).....	77	Torque "Measurrench".....	3, 16
Strap.....	78	Universal Sockets.....	11, 17
DETACHABLE SOCKET WRENCHES		Whitworth.....	74
See Sockets, Handles and Parts		SOCKETS — IMPACT	42
DOGS		SOFT-FACE HAMMERS	62, 63
Clamp.....	77	TABLES — See Charts	
Lathe.....	78	TOOL-HOLDERS	
Milling Machine.....	78	Boring— Bars.....	80
FILES		3-Bar Boring Tools.....	81
Flexible Curved Tooth.....	72	Light Tools.....	80
File Holders.....	72	Posts (Adjustable).....	80
HAMMERS		Regular Tools.....	80
Ball Pein.....	73	Carbide—Turning Tools.....	79
Body and Fender Workers'.....	70	Carboloy-Tipped Turning Cutter Bits.....	79
Soft Face.....	62, 63	Cutting-Off—Rigid Tools.....	81
Upholsterers' (Magnetic).....	70	Spring Tools.....	81
PLIERS		Knurling Tools.....	82
Brake.....	51, 66	Planing Tools.....	82
Combination Slip-Joint.....	67	Side Tools.....	81
Diagonal Cutting.....	67	Threading—Formed Cutter Tools.....	82
Electrical, or Ignition.....	66	Spring Tools.....	81
Lock Ring.....	51, 66	Turning— Carbide Tools.....	79
Midget.....	66	High Speed Tools.....	79
Needle Nose Side-Cutting.....	67	WHEEL PULLER	40
"Superpliers".....	66	WRENCHES—See also Sockets, Handles and Parts	
Water Pump.....	66	Adjustable—Open End.....	53, 54
PUNCHES	68	Hook Spanner.....	43
Sets.....	69	Box—12-Point.....	44 to 46
RIVET BUSTER	68	Brake—Wrenches and Tools.....	51
SCREW DRIVERS		Combination—Open End-Box.....	48, 49
Adjusting (Stubby).....	64	Electrical, or Ignition.....	61
Electricians'.....	64	Engineers'—Double Head.....	56, 57
Hammer Head.....	51	Single Head.....	55
Phillips Recessed Screw.....	64	Flare Nut.....	47
Pocket.....	64	Ford Specialties.....	50
Regular.....	64	Hollow-Screw, Allen type.....	39
Sets, Regular.....	65	Metric Measure.....	76
Sets, Phillips.....	65	Midget.....	61
Stubby, Regular.....	64	"Multisocket".....	43
Stubby, Phillips.....	64	Open End.....	55 to 59
SOCKETS, HANDLES and PARTS		Open End-Box.....	48, 49
Adapters.....	38	Ratchets.....	3, 10, 16, 26, 30, 40
Allen type Hollow-Screw.....	39	Refrigeration Service.....	40, 41, 47
Bantam—3/8" Square Drive.....	10, 11	Sets for Handy Service.....	43, 46, 49, 57, 59, 61
(Continued above)		Special—Chevrolet, Ford, etc.....	50 to 52
		Spanners—Adjustable Hook.....	43
		Tappet—Single and Double Head.....	58, 59
		Torque "Measurrench".....	3, 16
		Whitworth.....	76

THE NEW WILLIAMS'
TORQUE "MEASURRENCH" No. S-57
REVERSIBLE RATCHET WITH R. H. TORQUE INDICATING SIGNAL
 Standard Pattern—1/2" Square Drive



PATENTED

Closely limited torque application is essential in automotive, aviation and Diesel motors; also for many industrial appliances. Such fine adjustments make an efficient indicator of torque a vital necessity in modern practice. "Measurrench" solves the problem *wherever* limited and equal tension is required on nuts, bolts, studs, etc. Designed especially for use with Williams' Standard "Supersockets", but can be applied to any detachable socket having 1/2" square drive opening.

Williams' Ratchet Torque "Measurrench" is the most efficient and durable tool for torque indicating service on the market. It combines new mechanical features with Williams' standards of superior quality and design, resulting in an unusually strong, effective tool at moderate price.

Wrench may be used in two ways, as below:—
By Sight Reading—An easily read scale on the handle indicates applied tightening pressures from 20 to 200 foot-pounds.

By Sound Reading—A sharp sound signal is given for any desired torque from 35 to 200 foot-pounds, by setting the simple sound device.

Accuracy does not depend on delicate gears, levers, or dials, but upon rugged sections of high tensile steel. Although right hand torque only is measured, the wrench action reverses for left hand turning.

Simple in design and sturdy in construction, the reversible ratchet mechanism is a highly desirable feature. The 36-tooth ratchet wheel, with Williams' twin double-tooth, oscillating pawl provides constant engagement with TWO teeth of ratchet-gear in both ON and OFF rotation of nuts.

It makes possible the unusually short operating swing of only 1/30 of a full turn; obstruction hazards are reduced to the minimum. The wrench action is instantly reversed by a mere flip of the shifter, which is flush with the head.

The well balanced drop-forged handle, with specially designed grip, is 19-1/2" long for ample leverage; the head is exceptionally compact and free from protrusions, for easy use in close places.

Every part is made of selected alloy and high tensile steel, accurately machined and heat-treated. Chrome-plated, with entire top and sides of head and calibrated bar buffed; handle, "satin" chrome. Packed in individual cardboard box.

USE WILLIAMS' TORQUE "MEASURRENCH"

FOR

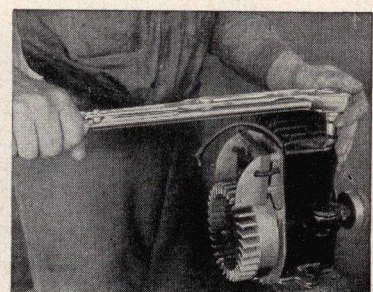
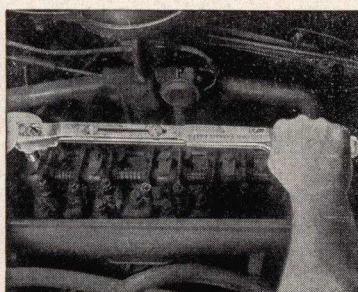
limiting torque in tightening
nuts and bolts in DIE CAST
ALLOY METAL PARTS.

FOR

accurately following MANU-
FACTURERS' SPECIFIED
TENSIONS.

FOR

all applications which require
EQUAL TENSION ON NUTS,
STUDS, BOLTS, ETC.



For full line of Standard Sockets and Parts, see pages 16, 17 and 18

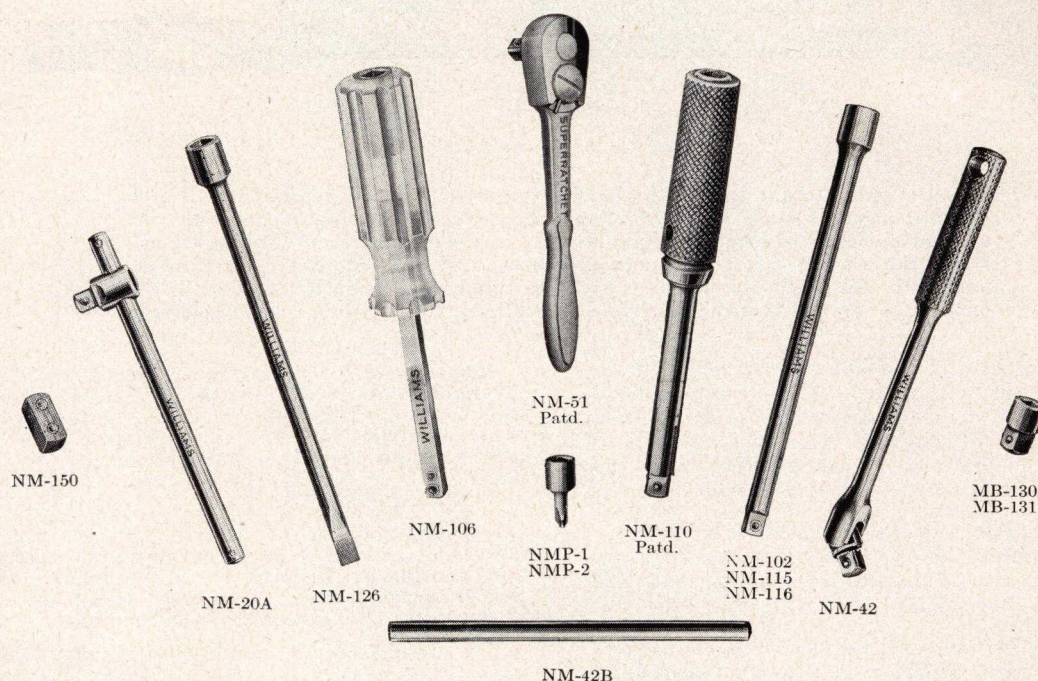
◆REGISTERED TRADE MARK

WILLIAMS' "SUPERSOCKET" WRENCHES

Selected Alloy Steel

MIDGET PATTERN—1/4" SQUARE DRIVE

HANDLES and PARTS



No.	PIECE	No.
NM-20A	Sliding T Handle—4-1/2" long.	NM-20A
NM-42	Flex Handle only—5-3/4" long; flexible head, knurled grip, crosshole for use with Sliding Bar.	NM-42
NM-42B	Sliding Bar, 1/4" x 4-1/2", for NM-42.	NM-42B
NM-51	Reversible Ratchet—4-1/2" long. 24 teeth in Ratchet-gear instead of usual 14 to 20. Turning shift-lever reverses action instantly.	NM-51
NM-102	Extension—2" long.	NM-102
NM-106	Extension—Driver has plastic grip with 1/4" square drive-opening in end—6" long.	NM-106
NM-110	Extension—Driver has lockable-revolving, knurled handle with 1/4" square drive-opening in end. May be used either as an Extension with handy revolving grip for spinning nuts, or as a Driver with handle locked. A slight turn of the handle locks and unlocks same instantly. 5-3/8" long.	NM-110
NM-115	Extension—6" long.	NM-115
NM-116	Extension—14" long.	NM-116
NM-126	Regular Screw Driver Socket Attachment—6" long.	NM-126
MB-130	Adapter—1/4" square female and 3/8" square male. Adapts Handles with 1/4" square drive to Sockets with 3/8" square drive.	MB-130
MB-131	Adapter—1/4" square male and 3/8" square female. Adapts Sockets with 1/4" square drive to Handles with 3/8" square drive plug.	MB-131
NM-150	Plug Adapter 3/4" long; both ends 1/4" square male.	NM-150
NMP-1	Phillips Screw Driver Socket Attachment—No. 1 Phillips Drive to fit screws No. 4 and smaller.	NMP-1
NMP-2	Phillips Screw Driver Socket Attachment—No. 2 Phillips Drive to fit screws Nos. 5 to 9 inclusive.	NMP-2

♦ REGISTERED TRADE MARK

9-49

WILLIAMS' ♦ "SUPERSOCKET" WRENCHES

Selected Alloy Steel

MIDGET PATTERN — 1/4" SQUARE DRIVE

SOCKETS



**Regular
Hex and 12-Point
Openings**



**Extra Deep
12-Point**



**Regular
Square and 8-Point
Openings**

Williams' Midget Electrical Sockets are unequalled in cramped quarters and for delicate adjustments. Invaluable time-savers on Generators, Wiring-connections, Radios, etc.

Their thin, straight walls enable them to operate readily on troublesome little jobs where no ordinary socket or wrench could even get in and grip the nut. Furnished with hex and square openings as listed.

Accurately made from Selected Alloy Steel, heat-treated and chrome-plated. Uniformity of product and tough, dependable strength are assured.

All Sockets packed 6 in a box.

Nominal Opening	SOCKETS FOR HEX NUTS AND CAP SCREWS							SQUARE	
	Hexagon Sockets	12-Point Sockets	*Extra Deep Sockets	Amer. Std. HEAVY Nut (U.S.S.); Size Bolt	Amer. Std. Hex Head Cap Screw; Diam. Screw	Amer. Std. LIGHT Nut (S.A.E.); Size Bolt	Amer. Std. Machine Screw Hex Nut	Square Socket No.	Nominal Opening
3/16	NM-606	.....	.....	.....	.....	.....	No. 2 & 3	NM-406	3/16
7/32	NM-607	.....	.....	.....	.....	.....	.....	NM-407	7/32
1/4	NM-608	.....	NMD-608	.....	.....	.....	4	NM-408	1/4
9/32	NM-609	.....	NMD-609	.....	.....	.....	.....	.....	.....
5/16	.....	NM-1210	NMD-1210	1/8	1/8	.....	5 & 6	†NM-810	5/16
11/32	.....	NM-1211	NMD-1211	.....	.....	.....	8	.....	.....
3/8	.....	NM-1212	NMD-1212	.....	3/16	.....	10	†NM-812	3/8
7/16	.....	NM-1214	NMD-1214	.....	1/4	1/4	12 & 1/4	.....	.....
1/2	.....	NM-1216	.....	1/4	5/16	5/16	.....	.....	.....

* 2" Long.

† 8-Point opening.

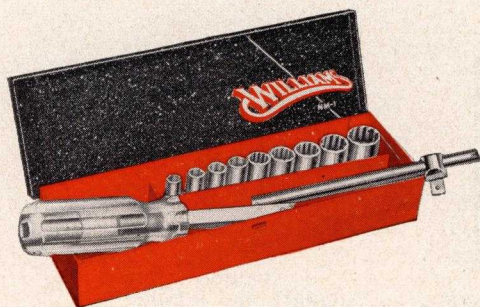
♦ REGISTERED TRADE MARK

J. H. WILLIAMS & CO., BUFFALO, NEW YORK

WILLIAMS' ♦ "SUPERSOCKET" WRENCH SETS

Selected Alloy Steel
MIDGET PATTERN

1/4" SQUARE DRIVE



SET No. NM-1

Complete in Metal Case

11 Pieces

9 Sockets and 2 Attachments

Total Weight, 1-1/8 lbs.

2 Color Steel Case Only

1-1/8 x 2-1/8 x 7"

Weight, 5/8 lbs.

CONTENTS

9 Midget "Supersockets" — 4 hex openings — 3/16, 7/32, 1/4, 9/32";
5 twelve-point openings — 5/16, 11/32, 3/8, 7/16 and 1/2".

1 NM-20A — Sliding T Handle, 4-1/2" long.

1 NM-106 — Extension Driver with Plastic Grip.

SET No. NM-2

Complete in Metal Case

13 Pieces

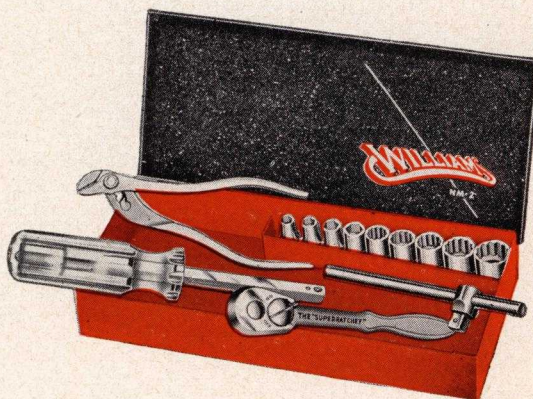
9 Sockets and 4 Attachments

Total Weight, 1-5/8 lbs.

2 Color Steel Case Only

1-1/8 x 3-1/4 x 7-1/2"

Weight, 7/8 lbs.



CONTENTS

9 Midget "Supersockets" — 4 hex openings — 3/16, 7/32, 1/4, 9/32";
5 twelve-point openings — 5/16, 11/32, 3/8, 7/16 and 1/2".

1 NM-20A — Sliding T Handle, 4-1/2" long.

1 NM-51 — Reversible Ratchet, 4-1/2" long.

1 NM-106 — Extension Driver with Plastic Grip.

1 1519 — Midget "Superplier", 4-1/2" long.

WILLIAMS' ♦ "SUPERSOCKET" WRENCH SETS
Selected Alloy Steel
 MIDGET PATTERN

1/4" SQUARE DRIVE



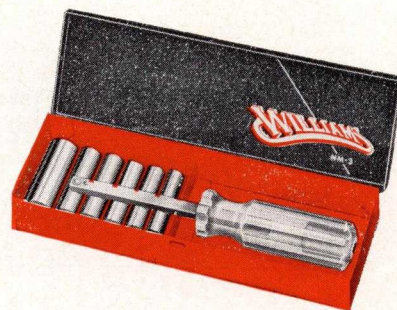
Williams' new "Supersocket" Set Boxes have been carefully designed to give the utmost in utility and sturdiness. Covers are finished in Black Satin Wrinkle, bodies in brilliant Williams' Orange Enamel, baked on.

SET No. NM-3

Complete in Metal Case

7 Pieces—6 Sockets and 1 Attachment
 Total Weight, 1-1/8 lbs.

2 Color Steel Case Only
 1-1/8 x 2-1/8 x 7"
 Weight, 5/8 lbs.



CONTENTS

- 6 Midget Extra Deep "Supersockets"—2 hex openings—1/4, 9/32"; 4 twelve-point openings—5/16, 11/32, 3/8 and 7/16".
- 1 NM-106—Extension Driver with Plastic Grip.



SET No. NM-4

Complete in Metal Case

7 Pieces—6 Sockets and 1 Attachment
 Total Weight, 1 lb.

2 Color Steel Case Only
 1-1/8 x 2-1/8 x 7"
 Weight, 5/8 lbs.

CONTENTS

- 6 Midget Extra Deep "Supersockets"—2 hex openings—1/4, 9/32"; 4 twelve-point openings—5/16, 11/32, 3/8 and 7/16".
- 1 NM-51—Reversible Ratchet, 4-1/2" long.

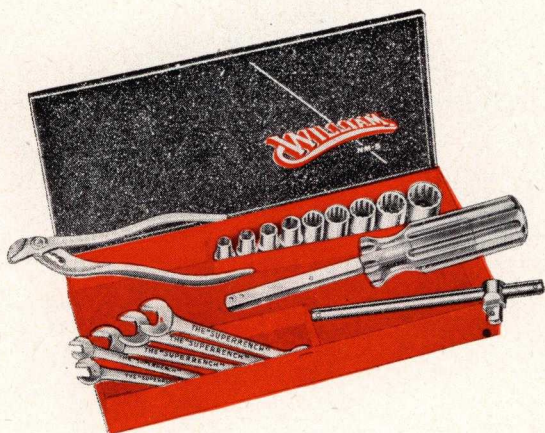
♦ REGISTERED TRADE MARK

WILLIAMS' ♦ "SUPERSOCKET" WRENCH SETS

Selected Alloy Steel

MIDGET PATTERN

1/4" SQUARE DRIVE



SET No. NM-5

Complete in Metal Case

17 Pieces

9 Sockets, 3 Attachments and 5 Wrenches

Total Weight, 1-5/8 lbs.

2 Color Steel Case Only

1-1/8 x 3-1/4 x 7-1/2"

Weight, 7/8 lbs.

CONTENTS

- 9 Midget "Supersockets"—4 hex openings—3/16, 7/32, 1/4, 9/32"; 5 twelve-point openings—5/16, 11/32, 3/8, 7/16 and 1/2".
 1 NM-20A—Sliding T Handle, 4-1/2" long.
 1 NM-106—Extension Driver with Plastic Grip.

1 1519—Midget "Superplier", 4-1/2" long.

5 Midget "Superrenches", 3 to 3-1/2" long, openings—13/64 & 7/32, 15/64 & 1/4, 9/32 & 11/32, 1/4 & 5/16 and 5/16 & 3/8".

SET No. NM-6

Complete in Metal Case

23 Pieces

14 Sockets, 4 Attachments and 5 Wrenches

Total Weight, 2-1/8 lbs.

2 Color Steel Case Only

1-1/8 x 3-1/4 x 7-1/2"

Weight, 1 lb.



CONTENTS

- 9 Midget "Supersockets"—4 hex openings—3/16, 7/32, 1/4, 9/32"; 5 twelve-point openings—5/16, 11/32, 3/8, 7/16 and 1/2".
 5 Midget "Supersockets"—3 square openings—3/16, 7/32, 1/4"; 2 eight-point openings—5/16, 3/8".
 1 NM-20A—Sliding T Handle, 4-1/2" long.
 1 NM-51—Reversible Ratchet, 4-1/2" long.

1 NM-110—Extension Driver, 5-3/8" long.

1 1519—Midget "Superplier", 4-1/2" long.

5 Midget "Superrenches", 3 to 3-1/2" long, openings—13/64 & 7/32, 15/64 & 1/4, 9/32 & 11/32, 1/4 & 5/16 and 5/16 & 3/8".

♦ REGISTERED TRADE MARK

9-49

WILLIAMS' ♦ "SUPERSOCKET" WRENCH SETS

Selected Alloy Steel

MIDGET PATTERN

1/4" SQUARE DRIVE

SET No. NM-7

Complete in Metal Case

22 Pieces

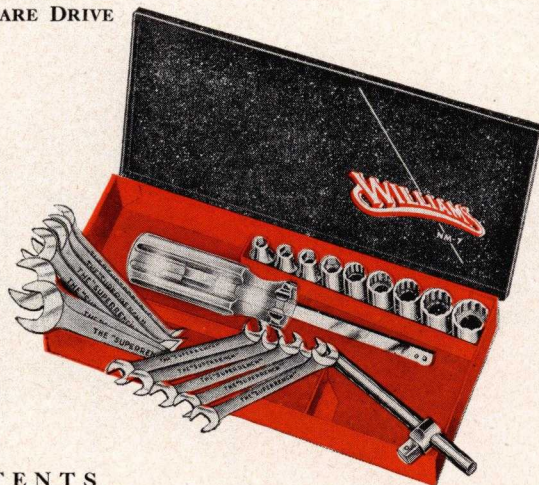
9 Sockets, 2 Attachments and 11 Wrenches

Total Weight, 1-3/4 lbs.

2 Color Steel Case Only

1-1/8 x 3-1/4 x 7-1/2"

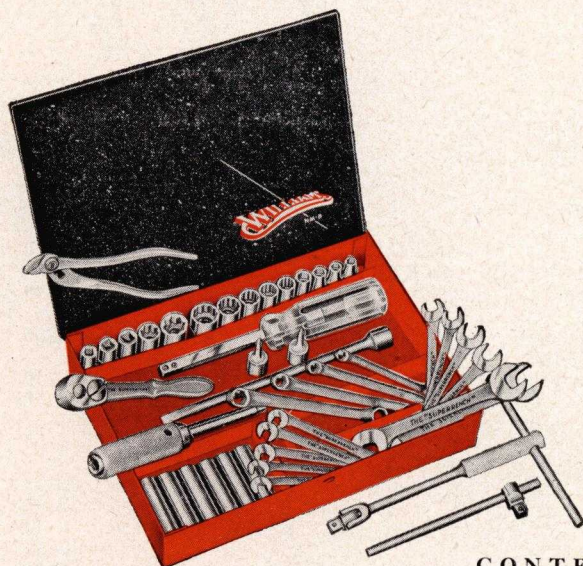
Weight, 7/8 lbs.



CONTENTS

- 9 Midget "Supersockets"—4 hex openings—3/16, 7/32, 1/4, 9/32"; 5 twelve-point openings—5/16, 11/32, 3/8, 7/16 and 1/2".
- 1 NM-20A—Sliding T Handle, 4-1/2" long.

- 1 NM-106—Extension Driver with Plastic Handle.
- 11 Midget "Superrenches"—15-75° angle openings—3/16, 13/64, 7/32, 15/64, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16 and 1/2".



SET No. NM-8

Complete in Metal Case

45 Pieces

20 Sockets, 9 Attachments, 15 Wrenches and 1 Plier

Total Weight, 4 lbs.

2 Color Steel Case Only

1-3/8 x 5-7/8 x 8"

Weight, 1-5/8 lbs.

CONTENTS

- 9 Midget "Supersockets"—4 hex openings—3/16, 7/32, 1/4, 9/32"; 5 twelve-point openings—5/16, 11/32, 3/8, 7/16 and 1/2".
- 5 Midget "Supersockets"—3 square openings—3/16, 7/32, 1/4"; 2 eight-point openings—5/16, 3/8".
- 6 Midget Extra Deep "Supersockets"—2 hex openings—1/4, 9/32"; 4 twelve-point openings—5/16, 11/32, 3/8 and 7/16".
- 1 NM-20A—Sliding T Handle, 4-1/2" long.
- 1 NM-42—Flex Handle, 5-3/4" long.
- 1 NM-42B—Sliding Bar for NM-42.
- 1 NM-51—Reversible Ratchet, 4-1/2" long.

- 1 NM-106—Extension Driver with Plastic Grip.
- 1 NM-110—Extension Driver, 5-3/8" long.
- 1 NM-126—Regular Screw Driver Attachment.
- 1 NMP-1—Phillips Screw Driver Attachment.
- 1 NMP-2—Phillips Screw Driver Attachment.
- 1 1519—Midget "Superplier", 4-1/2" long.
- 4 Midget Box "Superrenches" with openings 13/64 & 3/16, 15/64 & 7/32, 9/32 & 1/4 and 11/32 & 5/16".
- 11 Midget "Superrenches"—15-75° angle openings, 3/16, 13/64, 7/32, 15/64, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16 and 1/2".

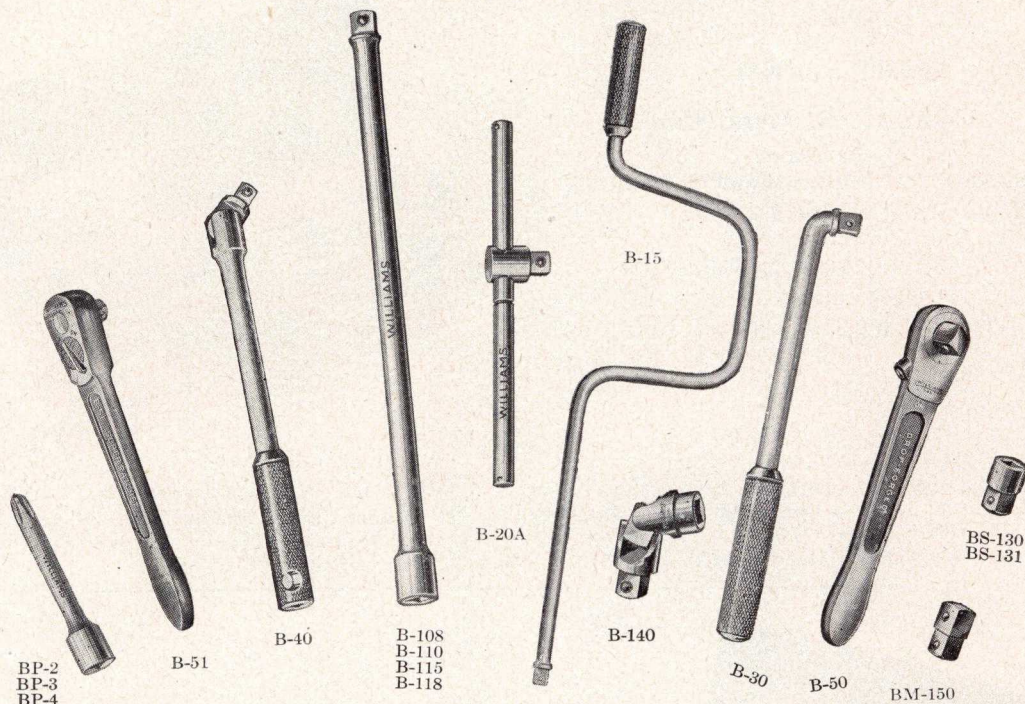
♦ REGISTERED TRADE MARK

WILLIAMS' "SUPERSOCKET" WRENCHES

Selected Alloy Steel

BANTAM PATTERN — 3/8" SQUARE DRIVE

HANDLES and PARTS

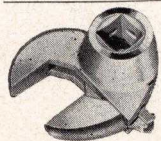


No.	PIECE	No.
B-15	Speeder—16-1/2" long; Knurled revolving grip.	B-15
B-20A	Sliding T Handle—6-1/2" long.	B-20A
B-30	Offset Handle—7-3/4" long; Knurled grip.	B-30
B-40	Flex Handle—8-1/2" long; flexible head. Knurled grip with 3/8" square drive hole in end; 3/8" cross hole for Sliding Bar—may be used as Extension.	B-40
B-42B	Sliding Bar, 5/16" rd. x 6", for B-40.	B-42B
B-50	Drop-Forged Ratchet—6-1/2" long; complete with No. B-150 Plug-Connector.	B-50
B-50A	Ratchet—Same as B-50 above, but with 1/4" square drive-opening in ratchet wheel and 1/4" square hole near end of handle, for Refrigeration Service. Without Plug-Connector.	B-50A
B-50B	Ratchet—Same as B-50, but with 5/16" square drive-opening. No Plug-Connector.	B-50B
B-51	Reversible Ratchet—6-1/2" long. 24 teeth in ratchet-gear instead of usual 14 or 16. Turning shift-lever reverses action instantly.	B-51
B-51A	Reversible Ratchet for Refrigeration Service—same as B-51, but has both 3/8" sq. male and 1/4" sq. female ratchet drive. Also has 3/16" and 1/4" sq. drive holes in handle end.	B-51A
B-108	Extension Bar—3" long.	B-108
B-110	Extension Bar—5-1/2" long.	B-110
B-115	Extension Bar—10-1/2" long.	B-115
B-118	Extension Bar—18" long.	B-118
BS-130	Adapter—3/8" square female and 1/2" square male.	BS-130
BS-131	Adapter—3/8" square male and 1/2" square female.	BS-131
B-140	Universal Joint—approx. operating range 140°.	B-140
B-150	Ratchet Plug-Connector for B-50 Ratchet.	B-150
BM-150	Adapter—3/8" square male and 1/4" square male.	BM-150
BP-2	Phillips Screw Driver Socket Attachment—No. 2 Phillips Drive to fit Screws Nos. 5 to 9 incl.	BP-2
BP-3	Phillips Screw Driver Socket Attachment—No. 3 Phillips Drive to fit Screws Nos. 10 to 16 incl.	BP-3
BP-4	Phillips Screw Driver Socket Attachment—No. 4 Phillips Drive to fit No. 18 and larger	BP-4

ADJUSTABLE CROWFOOT ATTACHMENT

PATENT APPLIED FOR

No. BC-6 — Capacity, 3/4"



May be used with any combination of 3/8" square drive Handles or Parts. This ingenious attachment combines the flexibility of the detachable socket system with all the advantages of the adjustable wrench.



★ REGISTERED TRADE MARK

9-49

WILLIAMS' "SUPERSOCKET" WRENCHES

Selected Alloy Steel

BANTAM PATTERN

3/8" SQUARE DRIVE

SOCKETS



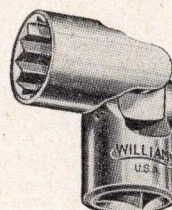
Crowfoot



Extra Deep
8-Point



Extra Deep
12-Point



Universal
12-Point



12-Point
Regular

Williams' "Bantam" Sockets with thin walls get in and service "buried" nuts in close and awkward corners. Furnished in four styles: Regular, Extra Deep and Universal, all with 12-point (hex) openings; also, Extra Deep with 8-point (square) openings. All Universal Sockets have an operating range of approximately 130° and are fitted with spring tension to maintain the operating angle desired. Crowfoot attachments are designed for use in close quarters and fit all Bantam attachments.

Accurately made from Selected Alloy Steel, heat-treated and chrome-plated. All Sockets packed 6 in a box.

Size Open- ing	12-POINT OPENINGS			Crowfoot Wrench Attachments No.	Amer. Std. HEAVY Nut (U.S.S.)	Amer. Std. Hex Head Cap Screw	Amer. Std. LIGHT Nut (S.A.E.)	Amer. Std.		8-Point Openings	
	Straight Wall Sockets							REGLR. Nut	Mach. Screw	*Extra Deep SQUARE Sockets No.	Size Open- ing
	Regular No.	†Extra Deep No.	Universal No.								
1/4	†B- 608								No. 4		1/4
5/16	B-1210				1/8	1/8			5 & 6		5/16
11/32	B-1211								8		11/32
3/8	B-1212	BD-1212	BU-1212	BC-1700		3/16			10		3/8
7/16	B-1214	BD-1214	BU-1214	BC-1701		1/4	1/4	1/4	12-1/4	BD-814	7/16
1/2	B-1216	BD-1216	BU-1216	BC-1001	1/4	5/16	5/16			BD-816	1/2
9/16	B-1218	BD-1218	BU-1218	BC-1702		3/8	3/8	5/16	5/16	BD-818	9/16
5/8	B-1220	BD-1220	BU-1220	BC-1703		7/16	7/16	3/8	3/8	BD-820	5/8
11/16	B-1222	BD-1222	BU-1222	BC-1003	3/8						11/16
3/4	B-1224	BD-1224	BU-1224			1/2	1/2	7/16			3/4
13/16		BD-1226				9/16		1/2			13/16

† Single Hex: taper nose.

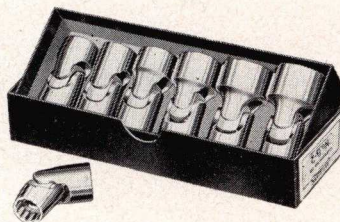
‡ 2 to 2-5/8" long, has Cross Hole for 9/32" Bar.

* 1-1/2" long.

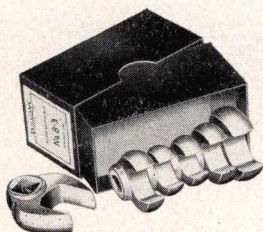
♦ REGISTERED TRADE MARK

WILLIAMS' ♦ "SUPERSOCKET" WRENCH SETS*Selected Alloy Steel***BANTAM PATTERN****3/8" SQUARE DRIVE****SET No. B-1****Complete in Metal Case****11 Pieces****10 Sockets and 1 Attachment****Total Weight, 1-3/4 lbs.****2 Color Steel Case Only****1-1/4 x 2-1/4 x 7-3/4"****Weight, 3/4 lbs.****CONTENTS**

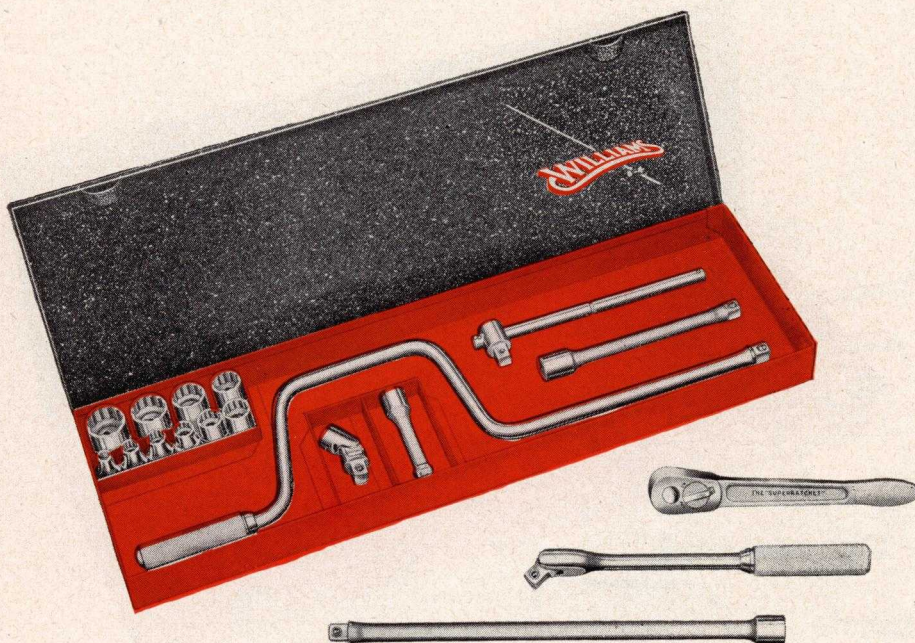
- 10 Bantam "Supersockets"**—1 hex opening—1/4";
 9 12-point openings—5/16, 11/32, 3/8, 7/16,
 1/2, 9/16, 5/8, 11/16 and 3/4".
1 B-51—Reversible Ratchet, 6-1/2" long.

SET No. B-2**Complete in Cardboard Box****7 Pieces****Weight, 3/4 lbs.****CONTENTS**

- 7 Bantam Universal "Supersockets"**— with 12-point
 openings — 3/8, 7/16, 1/2, 9/16, 5/8, 11/16 and 3/4".

**SET No. B-3****Complete in Cardboard Box****6 Pieces****Weight, 1/2 lb.****CONTENTS**

- 6 Bantam Crowfoot Attachments** with openings
 3/8, 7/16, 1/2, 9/16, 5/8 and 11/16".

WILLIAMS' ♦ "SUPERSOCKET" WRENCH SETS*Selected Alloy Steel***BANTAM PATTERN****3/8" SQUARE DRIVE****SET No. B-4****Complete in Metal Case****18 Pieces****10 Sockets and 8 Attachments****Total Weight, 6-3/8 lbs.****2 Color Steel Case Only****1-1/4 x 5-1/4 x 17-3/4"****Weight, 2-5/8 lbs.****CONTENTS**

- | | |
|--|--|
| 10 Bantam "Supersockets" —1 hex opening—1/4";
9 twelve-point openings—5/16, 11/32, 3/8, 7/16,
1/2, 9/16, 5/8, 11/16 and 3/4". | 1 B-51 —Reversible Ratchet, 6-1/2" long. |
| 1 B-15 —Speeder—16-1/2" long, revolving grip. | 1 B-108 —Extension Bar, 3" long. |
| 1 B-20A —Sliding T Handle, 6-1/2" long. | 1 B-110 —Extension Bar, 5-1/2" long. |
| 1 B-40 —Flex Handle, 8-1/2" long. | 1 B-115 —Extension Bar, 10-1/2" long. |
| | 1 B-140 —Universal Joint, range approx. 140°. |

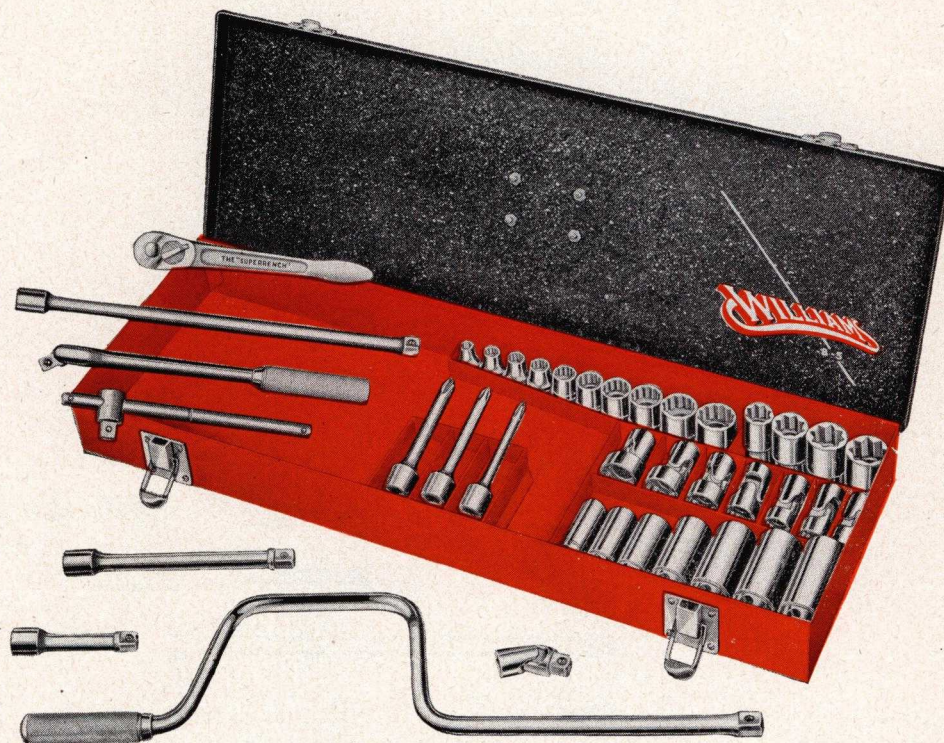
♦ REGISTERED TRADE MARK

WILLIAMS' "SUPERSOCKET" WRENCH SETS

Selected Alloy Steel

BANTAM PATTERN

3/8" SQUARE DRIVE



SET No. B-5

Complete in Metal Case

39 Pieces

28 Sockets and 11 Attachments

Total Weight, 11-3/8 lbs.

2 Color Steel Case Only

2 x 6-1/2 x 19-1/4"

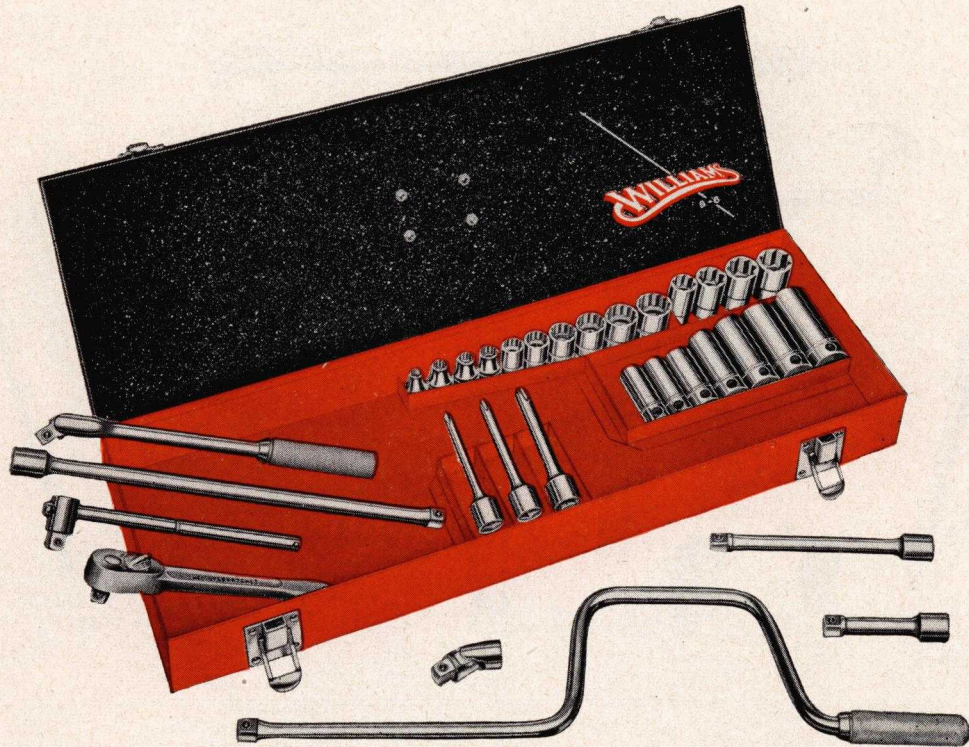
Weight, 5 lbs.

CONTENTS

- | | |
|---|--|
| 10 Bantam "Supersockets"—1 hex opening, 1/4";
9 12-point openings—5/16, 11/32, 3/8, 7/16,
1/2, 9/16, 5/8, 11/16 and 3/4". | 1 B-20A—Sliding T Handle, 6-1/2" long. |
| 7 Bantam Universal "Supersockets"—12-point
openings—3/8, 7/16, 1/2, 9/16, 5/8, 11/16,
and 3/4". | 1 B-40—Flex Handle, 8-1/2" long. |
| 4 Bantam Extra Deep "Supersockets" with
8-point openings—7/16, 1/2, 9/16 and 5/8". | 1 B-51—Reversible Ratchet, 6-1/2" long. |
| 7 Bantam Extra Deep "Supersockets" with
12-point openings—7/16, 1/2, 9/16, 5/8,
11/16, 3/4 and 13/16". | 1 B-108—Extension Bar, 3" long. |
| 1 B-15—Speeder, 16-1/2" long with revolving grip. | 1 B-110—Extension Bar, 5-1/2" long. |
| | 1 B-115—Extension Bar, 10-1/2" long. |
| | 1 B-140—Universal Joint, range approx. 140°. |
| | 1 BP-2—Phillips Screw Driver Attachment. |
| | 1 BP-3—Phillips Screw Driver Attachment. |
| | 1 BP-4—Phillips Screw Driver Attachment. |

* REGISTERED TRADE MARK

9-49

WILLIAMS' ♦ "SUPERSOCKET" WRENCH SETS*Selected Alloy Steel***BANTAM PATTERN****3/8" SQUARE DRIVE****SET No. B-6****Complete in Metal Case****32 Pieces****21 Sockets and 11 Attachments****Total Weight, 10-1/2 lbs.****2 Color Steel Case Only****2 x 6-1/2 x 19-1/4"****Weight, 4-7/8 lbs.****CONTENTS**

- 10 Bantam "Supersockets"**—1 hex opening—1/4"; 9 12-point openings—5/16, 11/32, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16 and 3/4".
- 4 Bantam Extra Deep "Supersockets"** with 8-point openings—7/16, 1/2, 9/16 and 5/8".
- 7 Bantam Extra Deep "Supersockets"** with 12-point openings—7/16, 1/2, 9/16, 5/8, 11/16, 3/4 and 13/16".
- 1 B-15**—Speeder, 16-1/2" long with revolving grip.
- 1 B-20A**—Sliding T Handle, 6-1/2" long.

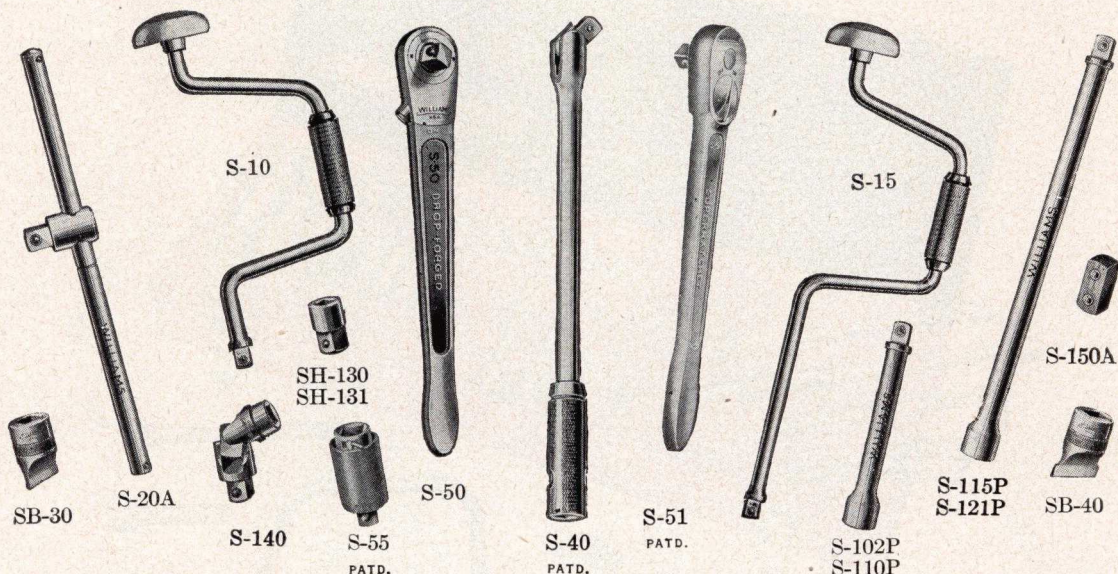
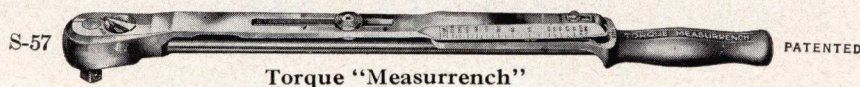
- 1 B-40**—Flex Handle, 6-1/2" long.
- 1 B-51**—Reversible Ratchet, 6-1/2" long.
- 1 B-108**—Extension Bar, 3" long.
- 1 B-110**—Extension Bar, 5-1/2" long.
- 1 B-115**—Extension Bar, 10-1/2" long.
- 1 B-140**—Universal Joint, range approx. 140°.
- 1 BP-2**—Phillips Screw Driver Attachment.
- 1 BP-3**—Phillips Screw Driver Attachment.
- 1 BP-4**—Phillips Screw Driver Attachment.

♦ **REGISTERED TRADE MARK**

WILLIAMS' "SUPERSOCKET" WRENCHES

Selected Alloy Steel

STANDARD HANDLES and PARTS—1/2" SQUARE DRIVE



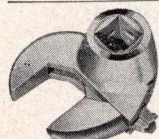
No.	PIECE	No.
S-10	Speeder—12" long, with knurled revolving grips.	S-10
S-15	Speeder—17-1/2" long, with knurled revolving grips.	S-15
S-20A	Sliding T Handle—11" long.	S-20A
SB-30	Screw Driver Socket Attachment—7/64 x 15/16" blade.	SB-30
SB-40	Screw Driver Socket Attachment—3/32 x 1-1/4" blade.	SB-40
S-40	Flex handle—12" long; flexible head. Knurled grip with 1/2" square drive hole in end—may be used as Extension; 7/16" round cross hole for Bar.	S-40
S-41	Flex Handle—17-1/4"—flexible head. Knurled grip—1/2" square drive hole in end for use as Extension; 7/16" round cross hole for Bar.	S-41
S-42B	Sliding Bar, 7/16" x 9", for Flex Handle S-41.	S-42B
S-50	Ratchet—10" long, complete with Locked-in Plug Connector.	S-50
S-51	Reversible Ratchet—10-1/2" long. 24 teeth in Ratchet-gear instead of usual 16. Turning shift-lever reverses action instantly.	S-51
S-55	Reversible Ratchet Adapter—2-9/16" long; outside diameter 1-1/4". Shift-lever reverses action instantly. Male and female connections 1/2" square drive. Makes ratchet action possible with Speeders, T Handles, Flex Handles, etc., in close quarters.	S-55
S-57	Torque "Measurrench"—19-1/2" long; indicates R.H. Torque. Has torque-indicating signal. Action reverses instantly for general use. See page 3.	S-57
S-102P	Extension Bar—2-1/2" long.	S-102P
S-110P	Extension Bar—5-1/2" long.	S-110P
S-115P	Extension Bar—10-1/2" long.	S-115P
S-121P	Extension Bar—20" long.	S-121P
SH-130	Adapter—1/2" square female and 3/4" square male.	SH-130
SH-131	Adapter—1/2" square male and 3/4" square female.	SH-131
S-140	Universal Joint—operating range approximately 140°.	S-140
S-150A	Ratchet Plug-Connector for S-50 Ratchet.	S-150A

ADJUSTABLE CROWFOOT ATTACHMENT

PATENT APPLIED FOR

No. SC-8 — Capacity, 15/16"

May be used with any combination of 1/2" square drive Handles or Parts. This ingenious attachment combines the flexibility of the detachable socket with all the advantages of the adjustable wrench.



★ REGISTERED TRADE MARK



D-49

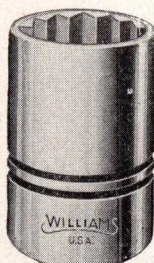
J. H. WILLIAMS & CO., BUFFALO, NEW YORK

WILLIAMS' "SUPERSOCKET" WRENCHES

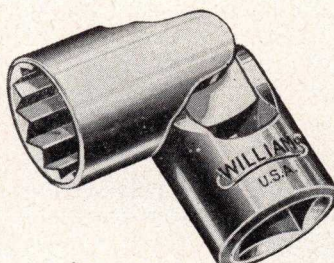
Selected Alloy Steel

STANDARD PATTERN — 1/2" SQUARE DRIVE

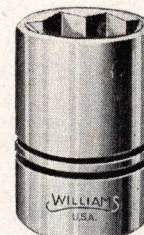
REGULAR SOCKETS



Regular
12-Point



Universal
12-Point



Regular
8-Point

Williams' Standard Sockets, with 12-point and 8-point openings as listed below, have thin walls for work in close places.

All Universal Sockets have an operating range of approximately 130° and are fitted with spring tension to maintain the operating angle desired.

Accurately made from Selected Alloy Steel, heat-treated and chrome-plated. All sockets packed 6 in a box.

Whitworth Standard and Metric sizes listed on page 72.

Nominal Opening	12-POINT OPENINGS FOR HEX NUTS						8-POINT OPENINGS	
	Straight Wall 12-Point Sockets No.	Universal 12-Point Sockets No.	For Amer. Std. HEAVY Nut (U.S.S.); Size Bolt	For Amer. Std. Hex Head Cap Screws; Diam. Screw	For Amer. Std. LIGHT Nut (S.A.E.); Size Bolt	For Amer. Std. REGULAR Nut; Size Bolt	No.	Nominal Opening
3/8	ST-1212			3/16			ST-810	5/16
7/16	ST-1214			1/4	1/4	1/4	ST-812	3/8
1/2	ST-1216	SU-1216	1/4	5/16	5/16	5/16	ST-814	7/16
9/16	ST-1218	SU-1218		3/8	3/8	3/8	ST-816	1/2
*9/16	SF-1218						ST-818	9/16
19/32	ST-1219		5/16				ST-820	5/8
5/8	ST-1220	SU-1220		7/16	7/16	3/8	ST-822	11/16
21/32	ST-1221						ST-824	3/4
11/16	ST-1222	SU-1222	3/8				ST-828	7/8
3/4	ST-1224	SU-1224		1/2	1/2	7/16	ST-832	1
25/32	ST-1225		7/16					
13/16	ST-1226			9/16		1/2		
7/8	ST-1228		1/2	5/8	9/16	9/16		
15/16	ST-1230		9/16		5/8			
31/32	ST-1231							
1	ST-1232			3/4		5/8		
1 1/16	ST-1234		5/8		3/4			
1 1/8	ST-1236			7/8		3/4		
1 3/16	ST-1238							
1 1/4	ST-1240		3/4		7/8			

*All Ford 6, Ford-Mercury V-8, 85 HP, 90 HP and 100 HP Connecting Rods. Use with Torque wrench required on models having "Marsden" self-locking nuts.

♦ REGISTERED TRADE MARK

WILLIAMS' ♦ "SUPERSOCKET" WRENCHES

Selected Alloy Steel

STANDARD EXTRA DEEP 12-POINT SOCKETS

For Spark Plugs and "Buried" Nuts

Cross Hole
For Bar

Especially designed for Spark Plug and other service, such as U Bolts and Brake-Rod-Ends, where the nuts lie some distance from the outer end of threaded stem. Long, slim sockets with thin walls for use in cramped places. Their 12-point openings permit operation in close quarters where the handle can be swung only 30°.

Carefully made from Selected Alloy Steel, heat-treated and chrome-plated. Packed 3 in a box.

For Spark Plug Service Chart, see page 19.

Twelve Point Opening	EXTRA DEEP Sockets		Amer. Std. HEAVY Nut (U.S.S.); Size Bolt	Amer. Std. Hex Head Cap Screw; Diam. Screw	Amer. Std. LIGHT Nut (S.A.E.); Size Bolt	Amer. Std. REGULAR Nut; Size Bolt
	No.	Length				
1/2	SD-1216	3-1/4	1/4	5/16	5/16	5/16
* 9/16	SD-1218	3-1/4		3/8	3/8	5/16
* 5/8	SD-1220	3-1/4		7/16	7/16	3/8
* 11/16	SD-1222	3-1/4	3/8			
3/4	SD-1224	3-1/4		1/2	1/2	7/16
* 13/16	SD-1226	3-1/4		9/16		1/2
7/8	SD-1228	3-1/4	1/2	5/8	9/16	9/16
†* 7/8	SD-1228T	3-1/4				
* 15/16	SD-1230	3-1/4	9/16		5/8	
* 1	SD-1232	3-1/4		3/4		5/8
1-1/16	SD-1234	3-1/4	5/8		3/4	
* 1-1/8	SD-1236	3-1/4		7/8		3/4

*Popular Spark Plug Sizes.

†Not guaranteed because of extra thin walls.

SD-1220 services AC No. 104, Champion Nos. Y-4A and Y-5, 10mm. Plugs.

SD-1222 services AC No. 103-S, AC No. M-8, Champion No. Y-4 and Auto-Lite No. P-4, 10mm. Spark Plugs.

SD-1226 services 14mm. Spark Plugs.

SD-1228T services 18mm. Spark Plugs.

SD-1230 services many buses and trucks.

SD-1232 services 18mm. Spark Plugs on cars; also many buses and trucks.

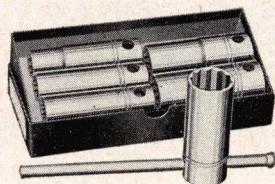
SD-1236 services many buses and trucks.

WILLIAMS' ♦ "SUPERSOCKET" WRENCH SETS

Selected Alloy Steel

STANDARD PATTERN—1/2" SQUARE DRIVE

SPARK PLUG SOCKET SETS



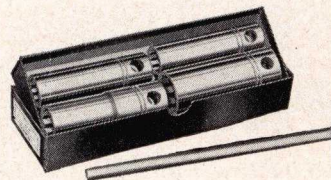
SET No. S-8

Complete in Cardboard Box

Weight, 2-3/8 lbs.

CONTENTS

- 6 Standard Extra Deep "Supersockets" with 12-point openings—9/16, 5/8, 11/16, 13/16, 7/8 and 1".
- 1 Sliding Bar—7" long.



SET No. S-9

Complete in Cardboard Box

Weight, 1-5/8 lbs.

CONTENTS

- 4 Standard Extra Deep "Supersockets" with 12-point openings—5/8, 11/16, 13/16 and 1".
- 1 Sliding Bar—7" long.

For complete list of Drivers for use with these Socket Sets, see page 16.

♦ REGISTERED TRADE MARK

8-49

WILLIAMS' SPARK PLUG ♦ "SUPERSOCKETS"

SERVICE CHART FOR 1938 TO 1947 CARS

Sockets are described on page 18

Make of Car	1938	1939	1940	1941	1942	1946	1947
Bantam.....	SD-1226	SD-1226	SD-1226	SD-1226	SD-1226	SD-1226	SD-1226
Buick.....	SD-1226	SD-1226	SD-1226	*SD-1226	SD-1226	SD-1226	SD-1226
Cadillac 8 Cylinder.....	SD-1226	SD-1222	SD-1222	SD-1220	SD-1220	SD-1220	SD-1220
" 12 Cylinder.....	SD-1226	SD-1222	SD-1222	SD-1220	SD-1220	SD-1220	SD-1220
" 16 Cylinder.....	SD-1226	SD-1226	SD-1222	SD-1220	SD-1220	SD-1220	SD-1220
Chevrolet.....	SD-1226	SD-1226	SD-1226	SD-1220	SD-1220	SD-1222	SD-1222
Chrysler.....	SD-1226	SD-1226	SD-1226	SD-1226	SD-1226	SD-1226	SD-1226
Cord.....	SD-1226	SD-1226	SD-1226	SD-1226	SD-1226	SD-1226	SD-1226
Crosley.....	SD-1226	SD-1226	SD-1232	SD-1226	SD-1226	SD-1226	SD-1226
DeSoto.....	SD-1226	SD-1226	SD-1226	SD-1226	SD-1226	SD-1226	SD-1226
Dodge.....	SD-1226	SD-1226	SD-1226	SD-1226	SD-1226	SD-1226	SD-1226
Dusenber.....	SD-1232	SD-1232	SD-1232	SD-1232	SD-1232	SD-1232	SD-1232
Ford—6, 90 HP.....	SD-1226	SD-1226	SD-1226	SD-1226	SD-1226	SD-1226	SD-1226
" V-8 100 HP.....	SD-1226	SD-1226	SD-1226	SD-1226	SD-1226	SD-1226	SD-1226
" V-8 85 HP.....	SD-1232	SD-1226	SD-1226	SD-1226	SD-1226	SD-1226	SD-1226
" V-8 60 HP.....	SD-1226	SD-1226	SD-1226	SD-1226	SD-1226	SD-1226	SD-1226
" Mercury V-8 95 HP.....	SD-1226	SD-1226	SD-1226	SD-1226	SD-1226	SD-1226	SD-1226
" Mercury V-8 100 HP.....	SD-1226	SD-1226	SD-1226	SD-1226	SD-1226	SD-1226	SD-1226
Frazer.....	SD-1226	SD-1226	SD-1226	SD-1226	SD-1226	SD-1226	SD-1226
Graham, 6 & 8 Cylinder.....	SD-1226	SD-1226	SD-1226	SD-1226	SD-1226	SD-1226	SD-1226
Hudson—All Models.....	SD-1226	SD-1226	SD-1226	SD-1226	SD-1226	SD-1226	SD-1226
Hupmobile.....	SD-1232	SD-1232	SD-1232	SD-1232	SD-1232	SD-1232	SD-1232
Kaiser.....	SD-1226	SD-1226	SD-1226	SD-1226	SD-1226	SD-1226	SD-1226
Lafayette (Nash).....	SD-1232	SD-1232	SD-1232	SD-1232	SD-1232	SD-1232	SD-1232
LaSalle.....	SD-1226	SD-1222	SD-1222	SD-1222	SD-1222	SD-1222	SD-1222
Lincoln.....	SD-1232	SD-1232	SD-1226	SD-1226	SD-1226	SD-1226	SD-1226
" Zephyr.....	SD-1226	SD-1226	SD-1226	SD-1226	SD-1226	SD-1226	SD-1226
Nash, 6 & 8 Cylinder.....	SD-1226	SD-1226	SD-1226	SD-1226	SD-1226	SD-1226	SD-1226
Oldsmobile, 6 & 8 Cylinder.....	SD-1226	SD-1226	SD-1226	SD-1226	SD-1226	SD-1226	SD-1226
Packard 8 and 12.....	SD-1222	SD-1222	SD-1222	SD-1222	SD-1220	SD-1220	SD-1220
" 6 and 120.....	SD-1218S	SD-1222	SD-1222	SD-1222	SD-1220	SD-1220	SD-1220
Plymouth.....	SD-1226	SD-1226	SD-1226	SD-1226	SD-1226	SD-1226	SD-1226
Pontiac, 6 & 8 Cylinder.....	SD-1226	SD-1226	SD-1226	SD-1226	SD-1226	SD-1226	SD-1226
Studebaker—Pres. & Comm.....	SD-1232	SD-1232	SD-1232	SD-1232	SD-1226	SD-1226	SD-1226
Studebaker—Champion.....	SD-1232	SD-1232	SD-1226	SD-1226	SD-1226	SD-1226	SD-1226
Willys.....	SD-1232	SD-1232	SD-1226	SD-1226	SD-1226	SD-1226	SD-1226
Willys Jeep.....	SD-1232	SD-1226	SD-1226	SD-1226	SD-1226	SD-1226	SD-1226

* On early 1941 models equipped with 10mm. plugs, use socket SD-1220.

In all cases, unless otherwise stated, all models of any given make take same size Socket.

RECOMMENDED FOOT POUND TORQUE FOR SPARK PLUGS

Spark Plug Thread	Cast Iron Head	Aluminum Head
10 mm.	14	12
14 mm.	30	28
18 mm.	34	32
7/8"—18	37	35

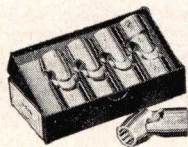
♦ REGISTERED TRADE MARK

WILLIAMS' ♦ "SUPERSOCKET" WRENCH SETS

Selected Alloy Steel

STANDARD PATTERN

1/2" SQUARE DRIVE



SET No. S-11

Complete in Cardboard Box

5 Pieces

Weight, 1-1/4 lbs.

CONTENTS

5 Standard Universal "Supersockets" with 12-point openings — 1/2, 9/16, 5/8, 11/16 and 3/4".

SET No. S-1

Complete in Metal Case

12 Pieces

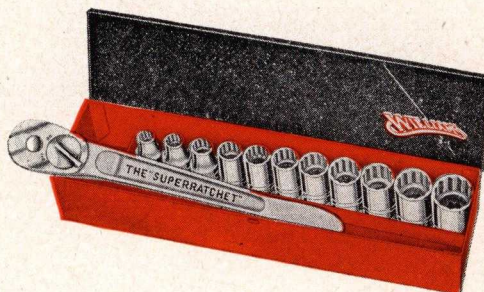
11 Sockets and 1 Attachment

Total Weight, 4-3/4 lbs.

2 Color Steel Case Only

2-1/8 x 3 x 12-1/2"

Weight, 1-5/8 lbs.



CONTENTS

11 Standard "Supersockets" with 12-point openings — 3/8, 7/16, 1/2, 9/16, 19/32, 5/8, 11/16, 3/4, 25/32, 7/8 and 1".

1 S-51 Reversible Ratchet, 10-1/2" long.



SET No. S-2

Complete in Metal Case

9 Pieces

8 Sockets and 1 Attachment

Total Weight, 5-1/8 lbs.

2 Color Steel Case Only

2-1/8 x 3 x 12-1/2"

Weight, 1-5/8 lbs.

CONTENTS

8 Standard "Supersockets" with 12-point openings — 1/2, 19/32, 11/16, 25/32, 7/8, 31/32, 1-1/16 and 1-1/4".

1 S-51 — Reversible Ratchet, 10-1/2" long.

♦ REGISTERED TRADE MARK

9-49

WILLIAMS' ♦ "SUPERSOCKET" WRENCH SETS

Selected Alloy Steel

STANDARD PATTERN

1/2" SQUARE DRIVE



SET No. S-3

Complete in Metal Case

10 Pieces

9 Sockets and 1 Attachment

Total Weight, 5-1/8 lbs.

2 Color Steel Case Only

2-1/8 x 3 x 12-1/2"

Weight, 1-5/8 lbs.

CONTENTS

9 Standard "Supersockets" with 12-point openings — 7/16, 1/2, 9/16, 5/8, 3/4, 7/8, 15/16, 1-1/16 and 1-1/4".

1 S-51 — Reversible Ratchet, 10-1/2" long.

SET No. S-4

Complete in Metal Case

20 Pieces

19 Sockets and 1 Attachment

Total Weight, 8-1/8 lbs.

2 Color Steel Case Only

2-1/8 x 3-3/4 x 12"

Weight, 1-7/8 lbs.



CONTENTS

19 Standard "Supersockets" with 12-point openings — 3/8, 7/16, 1/2, 9/16, 19/32, 5/8, 21/32, 11/16, 3/4, 25/32, 13/16, 7/8, 15/16, 31/32, 1, 1-1/16, 1-1/8, 1-3/16 and 1-1/4".

1 S-51 — Reversible Ratchet, 10-1/2" long.

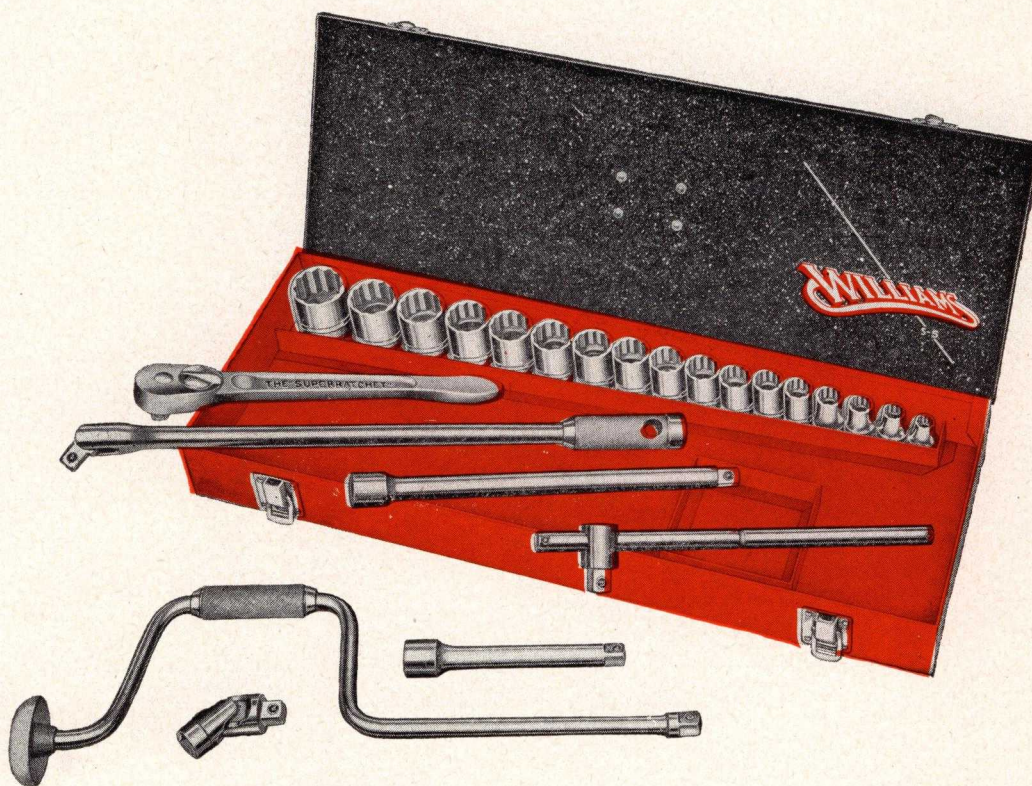
♦ REGISTERED TRADE MARK

WILLIAMS' ♦ "SUPERSOCKET" WRENCH SETS

Selected Alloy Steel

STANDARD PATTERN

1/2" SQUARE DRIVE



SET No. S-5

Complete in Metal Case

24 Pieces

17 Sockets and 7 Attachments

Total Weight, 18 lbs.

2 Color Steel Case Only

2-1/4 x 7-1/2 x 20-3/4"

Weight, 6 lbs.

CONTENTS

17 Standard "Supersockets"—12-point openings—
3/8, 7/16, 1/2, 9/16, 19/32, 5/8, 11/16, 3/4,
25/32, 13/16, 7/8, 15/16, 31/32, 1, 1-1/16,
1-1/8 and 1-1/4".

1 S-15—Speeder, 17-1/2" long, revolving grips.

1 S-20A—Sliding T Handle, 11" long.

1 S-41—Flex Handle, 17-1/4" long.

1 S-51—Reversible Ratchet, 10-1/2" long.

1 S-110P—Extension Bar, 5-1/2" long.

1 S-115P—Extension Bar, 10-1/2" long.

1 S-140—Universal Joint, range approx. 140°.

♦ REGISTERED TRADE MARK

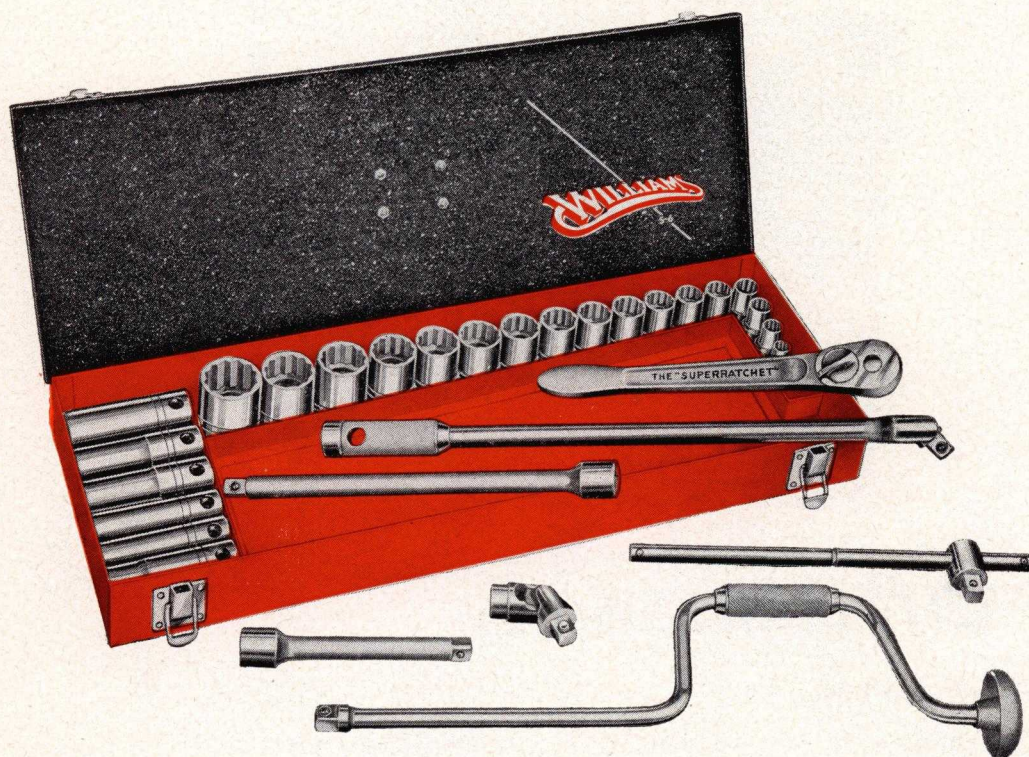
9-49

WILLIAMS' ♦ "SUPERSOCKET" WRENCH SETS

Selected Alloy Steel

STANDARD PATTERN

1/2" SQUARE DRIVE



SET No. S-6

Complete in Metal Case

30 Pieces

23 Sockets and 7 Attachments

Total Weight, 20-1/4 lbs.

2 Color Steel Case Only

2-1/4 x 7-1/2 x 20-3/4"

Weight, 6 lbs.

CONTENTS

- | | |
|---|--|
| <p>17 Standard "Supersockets" 12-point openings—
3/8, 7/16, 1/2, 9/16, 19/32, 5/8, 11/16, 3/4,
25/32, 13/16, 7/8, 15/16, 31/32, 1, 1-1/16,
1-1/8 and 1-1/4".</p> <p>6 Standard Extra Deep "Supersockets"—12-point
openings—9/16, 5/8, 11/16, 13/16, 7/8 and 1".</p> <p>1 S-15—Speeder, 17-1/2" long, revolving grips.</p> | <p>1 S-20A—Sliding T Handle, 11" long.</p> <p>1 S-41—Flex Handle, 17-1/4" long.</p> <p>1 S-51—Reversible Ratchet, 10-1/2" long.</p> <p>1 S-110P—Extension Bar, 5-1/2" long.</p> <p>1 S-115P—Extension Bar, 10-1/2" long.</p> <p>1 S-140—Universal Joint, range approx. 140°.</p> |
|---|--|

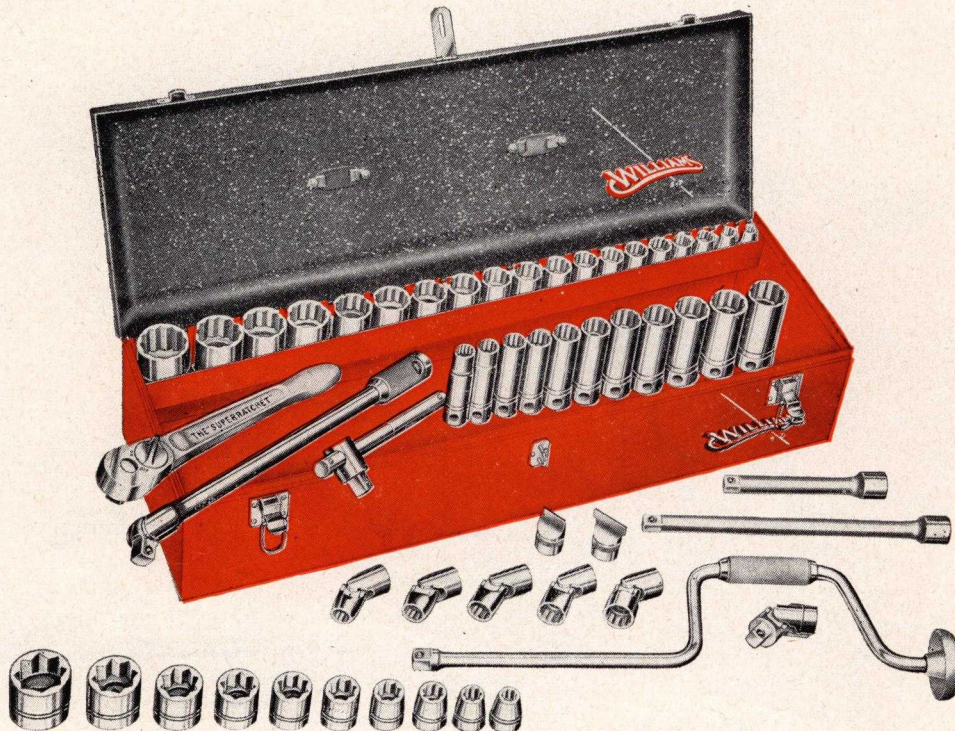
♦ REGISTERED TRADE MARK

WILLIAMS' "SUPERSOCKET" WRENCH SETS

Selected Alloy Steel

STANDARD PATTERN

1/2" SQUARE DRIVE



SET No. S-7

Complete in Metal Case

44 Pieces

35 Sockets and 9 Attachments

Total Weight, 27 lbs.

2 Color Steel Case Only

5-3/8 x 7-1/2 x 23-1/4"

Weight, 8-5/8 lbs.

SET No. S-7A

Complete in Metal Case

54 Pieces

45 Sockets and 9 Attachments

Total Weight, 30 lbs.

2 Color Steel Case Only

5-3/8 x 7-1/2 x 23-1/4"

Weight, 8-7/8 lbs.

CONTENTS

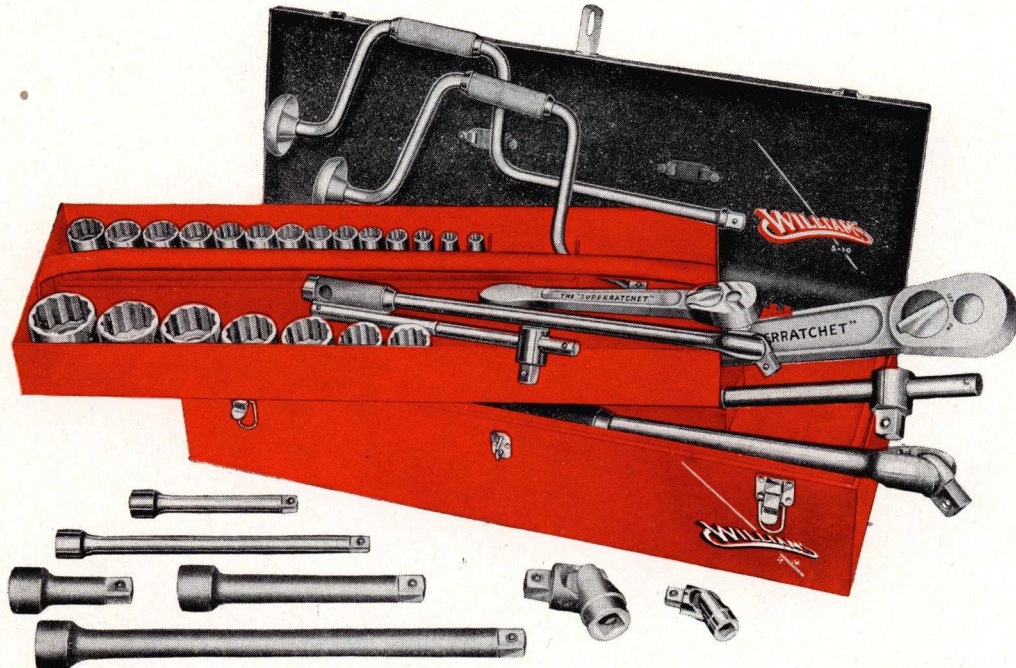
- | | |
|--|--|
| <p>19 Standard "Supersockets" with 12-point openings—3/8, 7/16, 1/2, 9/16, 19/32, 5/8, 21/32, 11/16, 3/4, 25/32, 13/16, 7/8, 15/16, 31/32, 1, 1-1/16, 1-1/8, 1-3/16 and 1-1/4".</p> <p>*10 Standard "Supersockets" 8-point openings, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 7/8 and 1".</p> <p>5 Standard Universal "Supersockets" with 12-point openings—1/2, 9/16, 5/8, 11/16 and 3/4".</p> <p>11 Standard Extra Deep "Supersockets" with 12-point openings—1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1-1/16 and 1-1/8".</p> | <p>1 S-15—Speeder, 17-1/2" long, revolving grips.</p> <p>1 S-20A—Sliding T Handle, 11" long.</p> <p>1 S-41—Flex Handle, 17-1/4" long.</p> <p>1 S-51—Reversible Ratchet, 10-1/2" long.</p> <p>1 S-110P—Extension Bar, 5-1/2" long.</p> <p>1 S-115P—Extension Bar, 10-1/2" long.</p> <p>1 S-140—Universal Joint, range approx. 140°.</p> <p>1 SB-30—Drag Link Socket Bit, 15/16" blade.</p> <p>1 SB-40—Drag Link Socket Bit, 1-1/4" blade.</p> |
|--|--|

* Not included in Set No. S-7.

♦ REGISTERED TRADE MARK

3-49

WILLIAMS' ♦ "SUPERSOCKET" WRENCH SETS
Selected Alloy Steel
STANDARD AND HEAVY DUTY PATTERNS
1/2" AND 3/4" SQUARE DRIVE



SET No. S-10

Complete in Metal Case

36 Pieces
21 Sockets and 15 Attachments
Total Weight, 50 lbs.

2 Color Steel Case Only
 6-3/4 x 7-1/2 x 23-1/4"
 Weight, 12-3/8 lbs.

C O N T E N T S

- | | |
|--|--|
| <p>14 Standard "Supersockets" with 12-point openings—3/8, 7/16, 1/2, 9/16, 19/32, 5/8, 11/16, 3/4, 25/32, 13/16, 7/8, 15/16, 31/32 and 1".</p> <p>7 Heavy Duty "Supersockets"—12-pt. openings—1-1/16, 1-1/8, 1-1/4, 1-5/16, 1-7/16, 1-1/2 and 1-5/8".</p> <p>1 S-10—Speeder, 12" long, revolving grips.</p> <p>1 S-15—Speeder, 17-1/2" long, revolving grips.</p> <p>1 S-20A—Sliding T Handle, 11" long.</p> <p>1 S-41—Flex Handle, 17-1/4" long.</p> <p>1 S-51—Reversible Ratchet, 10-1/2" long.</p> | <p>1 S-110P—Extension Bar, 5-1/2" long.</p> <p>1 S-115P—Extension Bar, 10-1/2" long.</p> <p>1 S-140—Universal Joint, range approx. 140°.</p> <p>1 H-20A—Sliding T Handle, 17-1/2" long.</p> <p>1 H-41—Flex Handle, 20" long.</p> <p>1 H-51—Reversible Ratchet, 19" long.</p> <p>1 H-104—Extension Bar, 4" long.</p> <p>1 H-110—Extension Bar, 8" long.</p> <p>1 H-115—Extension Bar, 15-1/2" long.</p> <p>1 H-140—Universal Joint, range approx. 140°.</p> |
|--|--|

♦ REGISTERED TRADE MARK

WILLIAMS' ♦ "SUPERSOCKET" WRENCHES Selected Alloy Steel

HEAVY DUTY PATTERN — 3/4" SQUARE DRIVE

HANDLES and PARTS



No.	PIECE	No.
H-20A	Sliding T Handle—17-1/2" long	H-20A
H-41	Flex Handle—20" long; flexible head, knurled grip and cross hole for Sliding Bar	H-41
H-41B	Sliding Bar, 3/4" x 16" for H-41 and NX-41	H-41B
H-50	Ratchet—18-1/2" long; complete with Plug-Connector H-150	H-50
H-51	Reversible Ratchet—19" long, 24 teeth in Ratchet gear instead of usual 16. Shift lever reverses action instantly	H-51
H-104	Extension Bar—4" long	H-104
H-110	Extension Bar—8" long	H-110
H-115	Extension Bar—15-1/2" long	H-115
HNX-130	Adapter, 3/4" square female and 1" square male—Adapts Heavy Duty Handles (3/4" square male drive) to Extra Heavy Duty Sockets (1" square female drive). See page 30.	HNX-130
HX-130	Adapter, 3/4" square female and 1" hex male—Adapts Heavy Duty Handles (3/4" square male drive) to old style Extra Heavy Duty Sockets (1" hex female drive)	HX-130
H-140	Universal Joint—approx. operating range 140°	H-140
H-150	Ratchet Plug-Connector	H-150
HH-150	Plug-Adapter, 5/8" and 3/4" square male	HH-150
HNX-151	Adapter, 3/4" square male and 1" square male—Adapts Extra Heavy Duty Sockets (1" square female drive) to Heavy Duty Handles (3/4" square female drive)	HNX-151

♦ REGISTERED TRADE MARK

3-49

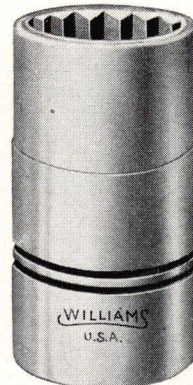
WILLIAMS' ♦ "SUPERSOCKET" WRENCHES Selected Alloy Steel

HEAVY DUTY PATTERN — 3/4" SQUARE DRIVE

SOCKETS



Regular
12-Point Opening



Extra Deep
12-Point Opening

Williams' Heavy Duty Sockets are designed for harder service where more strength is required than on the every-day job. They provide ample strength without clumsy bulk. Will rotate nuts completely where handle can be swung only 30°.

Extra Deep Sockets are specially designed for U-bolt nuts on Buses and Trucks and other HEAVY service requiring an extra deep opening. Ample strength for the hardest jobs. Indispensable in cramped spaces.

Made from Selected Alloy Steel heat-treated and chrome-plated. Sockets packed 2 in a box. Extra Deep Sockets, 3-1/2" long, packed 3 in a box.

To use "Heavy Duty" Sockets (3/4" square female drive) with "Standard" Handles (1/2" square male drive), use Adapter SH-130, page 16.

Size Opening	REGULAR No.	EXTRA DEEP No.	Amer. Std. HEAVY Nut (U.S.S.)	Amer. Std. Hex. Head Cap Screw	Amer. Std. LIGHT Nut (S.A.E.)	Amer. Std. REGULAR Nut
7/8	H-1228		1/2	5/8	9/16	9/16
15/16	H-1230	HD-1230			5/8	
31/32	H-1231		9/16			
1	H-1232			3/4		5/8
1- 1/16	H-1234	HD-1234	5/8		3/4	
1- 1/8	H-1236			7/8		3/4
1- 3/16	H-1238				7/8	
1- 1/4	H-1240	HD-1240	3/4			
1- 5/16	H-1242			1		7/8
1- 3/8	H-1244					
1- 7/16	H-1246	HD-1246	7/8		1	
1- 1/2	H-1248			1-1/8		1
1- 5/8	H-1252		1		1-1/8	
1-11/16	H-1254			1-1/4		1-1/8
1- 3/4	H-1256					
1-13/16	H-1258		1-1/8		1-1/4	
1- 7/8	H-1260					1-1/4
2	H-1264		1-1/4		1-3/8	
2- 1/16	H-1266					1-3/8
2- 1/8	H-1268					
2- 3/16	H-1270		1-3/8		1-1/2	
2- 1/4	H-1272					1-1/2

♦ REGISTERED TRADE MARK

WILLIAMS' ♦ "SUPERSOCKET" WRENCH SETS

Selected Alloy Steel
HEAVY DUTY PATTERN

3/4" SQUARE DRIVE



SET No. H-1

Complete in Metal Case

9 Pieces

8 Sockets and 1 Attachment

Total Weight, 14-7/8 lbs.

2 Color Steel Case Only

5-3/8 x 4 x 18"

Weight, 4-1/2 lbs.

CONTENTS

8 Heavy Duty "Supersockets" with 12-point openings — 7/8, 31/32, 1-1/16, 1-1/4, 1-7/16, 1-5/8, 1-13/16 and 2".

1 H-20A—Sliding T Handle—17-1/2" long.



SET No. H-2

Complete in Metal Case

13 Pieces

10 Sockets and 3 Attachments

Total Weight, 20-3/4 lbs.

2 Color Steel Case Only

2-3/4 x 4-1/2 x 19-3/4"

Weight, 4-3/4 lbs.

CONTENTS

10 Heavy Duty "Supersockets" with 12-point openings — 1-1/16, 1-1/8, 1-3/16, 1-1/4, 1-5/16, 1-3/8, 1-7/16, 1-1/2, 1-5/8 and 1-3/4".

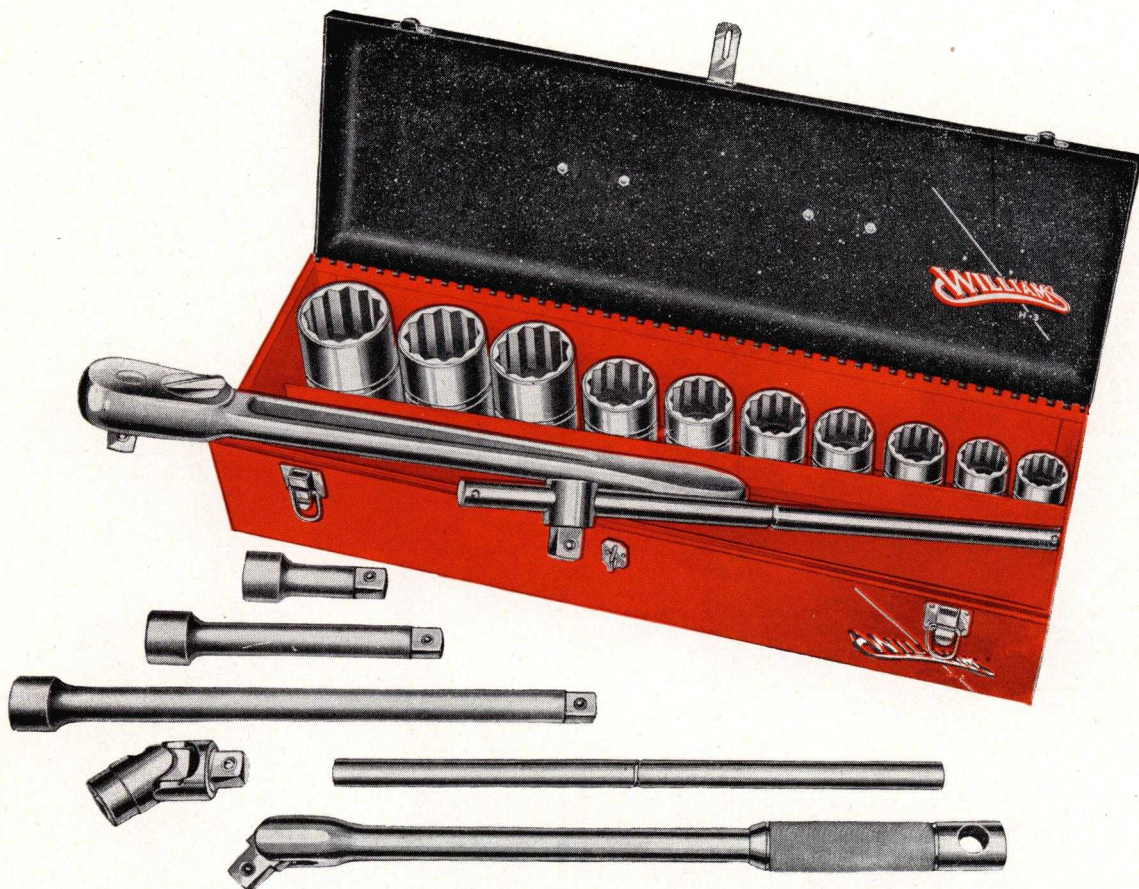
1 H-20A—Sliding T Handle, 17-1/2" long.

1 H-110—Extension Bar, 8" long.

1 H-115—Extension Bar, 15-1/2" long.

♦ REGISTERED TRADE MARK

3-49

WILLIAMS' ♦ "SUPERSOCKET" WRENCH SETS*Selected Alloy Steel***HEAVY DUTY PATTERN****3/4" SQUARE DRIVE****SET No. H-3****Complete in Metal Case****18 Pieces****10 Sockets and 8 Attachments****Total Weight, 41-1/8 lbs.****2 Color Steel Case Only****5-3/8 x 7-1/2 x 23-1/4"****Weight, 7-1/2 lbs.****CONTENTS**

10 Heavy Duty "Supersockets" with 12-point openings—1-1/16, 1-1/8, 1-1/4, 1-5/16, 1-7/16, 1-1/2, 1-5/8, 1-13/16, 1-7/8 and 2".

1 H-20A—Sliding T Handle, 17-1/2" long.

1 H-41—Flex Handle, 20" long.

1 H-41B—Sliding Bar for H-41.

1 H-51—Reversible Ratchet, 19" long.

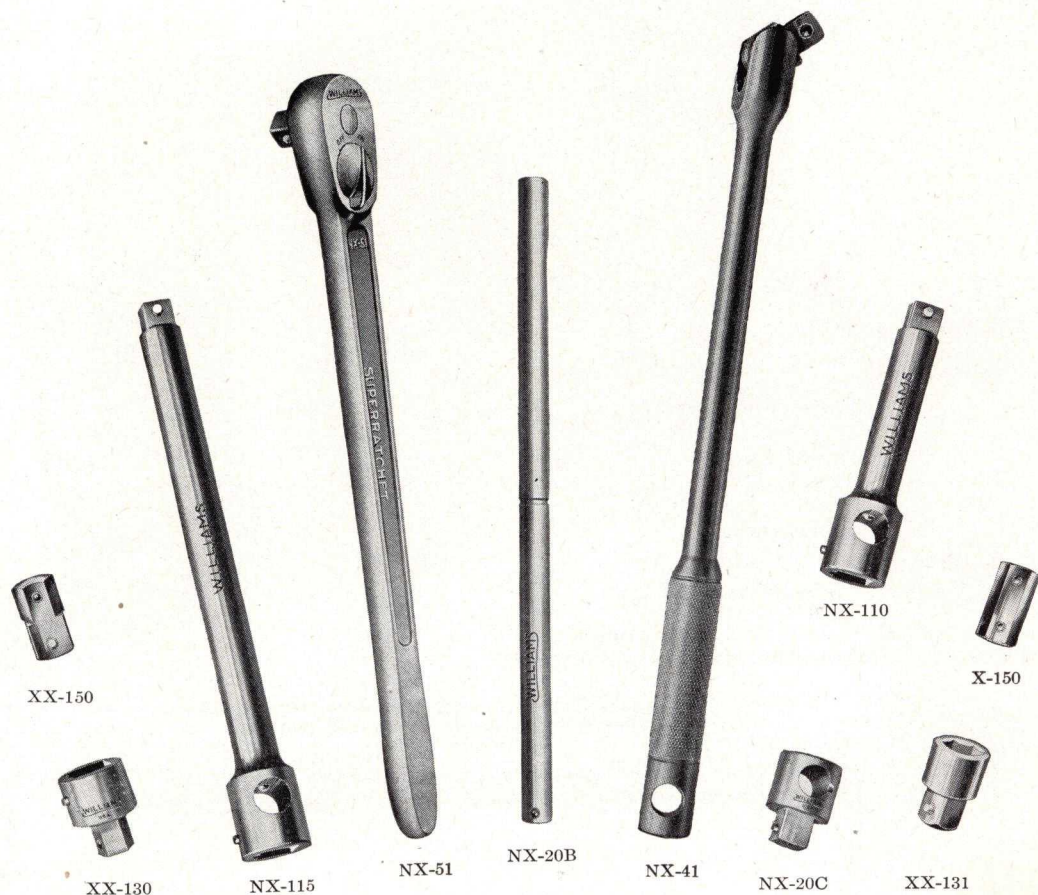
1 H-104—Extension Bar, 4" long.

1 H-110—Extension Bar, 8" long.

1 H-115—Extension Bar, 15-1/2" long.

1 H-140—Universal Joint, range approx. 140°.

♦ REGISTERED TRADE MARK

WILLIAMS' ♦ "SUPERSOCKET" WRENCHES*Selected Alloy Steel***EXTRA HEAVY DUTY PATTERN****1" SQUARE DRIVE****HANDLES and PARTS**

No.	PIECE	No.
NX-20B	Sliding Handle—1" diam., 20" long.	NX-20B
NX-20C	Adapter—for Sliding Handle NX-20B.	NX-20C
NX-41	Flex Handle—27" long; flexible head, knurled grip and cross-hole for Sliding Bar H-41B, Page 26	NX-41
NX-51	Reversible Ratchet — 25" long, 24 teeth in Ratchet gear instead of usual 16. Shift lever reverses action instantly.	NX-51
NX-110	Extension Bar — 9" long.	NX-110
NX-115	Extension Bar — 18" long.	NX-115
X-150	Ratchet Plug-Connector — 1" hex.	X-150
XX-130	Adapter — 1" square Female and 1" hex Male.	XX-130
XX-131	Adapter — 1" hex Female and 1" square Male.	XX-131
XX-150	Adapter — 1" square Male and 1" hex Male.	XX-150

♦ REGISTERED TRADE MARK

3-49

WILLIAMS' ✦ "SUPERSOCKET" WRENCHES Selected Alloy Steel

EXTRA HEAVY DUTY PATTERN 1" SQUARE DRIVE

SOCKETS



12-Point Opening

Williams' Extra Heavy Duty Sockets provide sturdy, rugged strength for the hardest kind of service. In addition to the 1" square drive opening in their base, they are cross-drilled to receive the Sliding Handle which is thus brought close to the work. This minimizes the tendency to tip when the socket is used near the end of the handle. Will rotate nuts completely where the handle can be swung only 30°.

Another feature is the "Lock-Socket" device which provides a positive lock between the sockets and attachments. To release the "Lock-Socket" simply press the button on the socket and pull. This device eliminates all danger of sockets becoming detached in service.

Made from Selected Alloy Steel, heat-treated and Chrome-plated.

Sockets Nos. NX-1234 to NX-1248 packed 2 in a box. All others, 1 in a box.

Nom- inal Open- ing	No.	Amer. Std. HEAVY Nut (U.S.S.); Size Bolt	Am.Std. HexHd. Cap Screw; Diam. Screw	Amer. Std. LIGHT Nut (S.A.E.); Size Bolt	Amer. Std. Reg. Nut; Size Bolt	Nom- inal Open- ing	No.	Amer. Std. HEAVY Nut (U.S.S.); Size Bolt	Amer. Std. LIGHT Nut (S.A.E.); Size Bolt	Amer. Std. Reg. Nut; Size Bolt
1-1/16	NX-1234	5/8	.....	3/4	.....	2-1/8	NX-1268	.....	.....	.....
1-1/8	NX-1236	.....	7/8	.....	3/4 ..	2-3/16	NX-1270	1-3/8	1-1/2	.....
1-1/4	NX-1240	3/4	.....	7/8	.....	2-1/4	NX-1272	.....	.....	1-1/2
1-3/8	NX-1244	.....	.....	.....	.....	2-3/8	NX-1276	1-1/2	.....	.....
1-7/16	NX-1246	7/8	.....	1	.....	2-1/2	NX-1280	.....	.....	.....
1-1/2	NX-1248	.....	1-1/8	.....	1	2-9/16	†NX-1282	1-5/8	.....	.....
1-5/8	NX-1252	1	.....	1-1/8	.....	2-5/8	†NX-1284	.....	.....	1-3/4
1-13/16	NX-1258	1-1/8	.....	1-1/4	.....	2-3/4	†NX-1288	1-3/4	.....	.....
1-7/8	NX-1260	.....	.....	.....	1-1/4	2-15/16	†NX-1294	1-7/8	.....	.....
2	NX-1264	1-1/4	.. ....	1-3/8	.....	3-1/8	†NX12100	2	.....	.....

† These Sockets have short neck, no cross-hole.

✦ REGISTERED TRADE MARK

WILLIAMS' ♦ "SUPERSOCKET" WRENCH SETS

Selected Alloy Steel

EXTRA HEAVY DUTY PATTERN

1" SQUARE DRIVE



SET No. NX-1

Complete in Metal Case

18 Pieces

12 Sockets and 6 Attachments

Total Weight, 78-3/4 lbs.

2 Color Steel Case Only

4-1/4 x 8 x 29-1/4"

Weight, 17 lbs.

CONTENTS

12 Extra Heavy Duty "Supersockets" with 12-point openings—1-1/16, 1-1/8, 1-1/4, 1-7/16, 1-1/2, 1-5/8, 1-13/16, 1-7/8, 2, 2-3/16, 2-1/4 and 2-3/8".

1 NX-20B—Sliding Handle—1" diameter, 20" long.

1 NX-20C—Adapter for Sliding Handle, NX-20B.

1 NX-41—Flex Handle, 27" long.

1 NX-51—Reversible Ratchet, 25" long.

1 NX-110—Extension Bar, 9" long.

1 NX-115—Extension Bar, 18" long.

♦ REGISTERED TRADE MARK

3-49

WILLIAMS' ♦ "SUPERSOCKET" WRENCH SETS

Selected Alloy Steel
EXTRA HEAVY DUTY PATTERN

1" SQUARE DRIVE

SET No. NX-2

Complete in Metal Case

10 Pieces

7 Sockets and 3 Attachments

Total Weight, 35-1/8 lbs.

2 Color Steel Case Only

4-1/4 x 5-1/4 x 20-3/4"

Weight, 10-1/8 lbs.



CONTENTS

- | | |
|--|--|
| <p>7 Extra Heavy Duty "Supersockets" with 12-point openings—1-1/4, 1-7/16, 1-5/8, 1-13/16, 2, 2-3/16 and 2-3/8".</p> | <p>1 NX-20B—Sliding Handle—1" diameter, 20" long.
1 NX-20C—Adapter for Sliding Handle NX-20B.
1 NX-110—Extension Bar, 9" long.</p> |
|--|--|

SET No. NX-3

Complete in Metal Case

12 Pieces

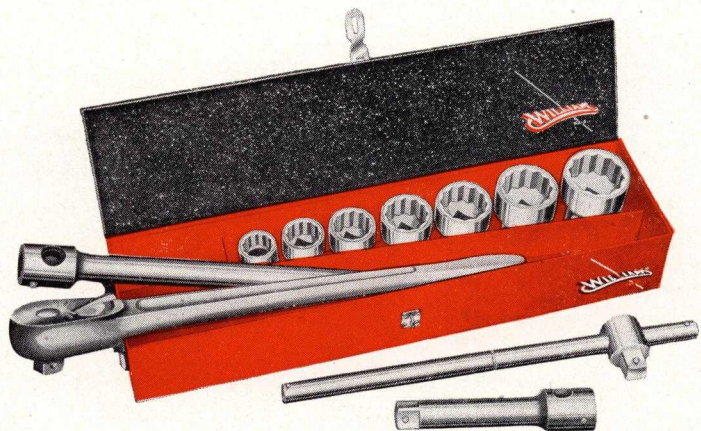
7 Sockets and 5 Attachments

Total Weight, 57-1/4 lbs.

2 Color Steel Case Only

4-1/4 x 6-1/2 x 26"

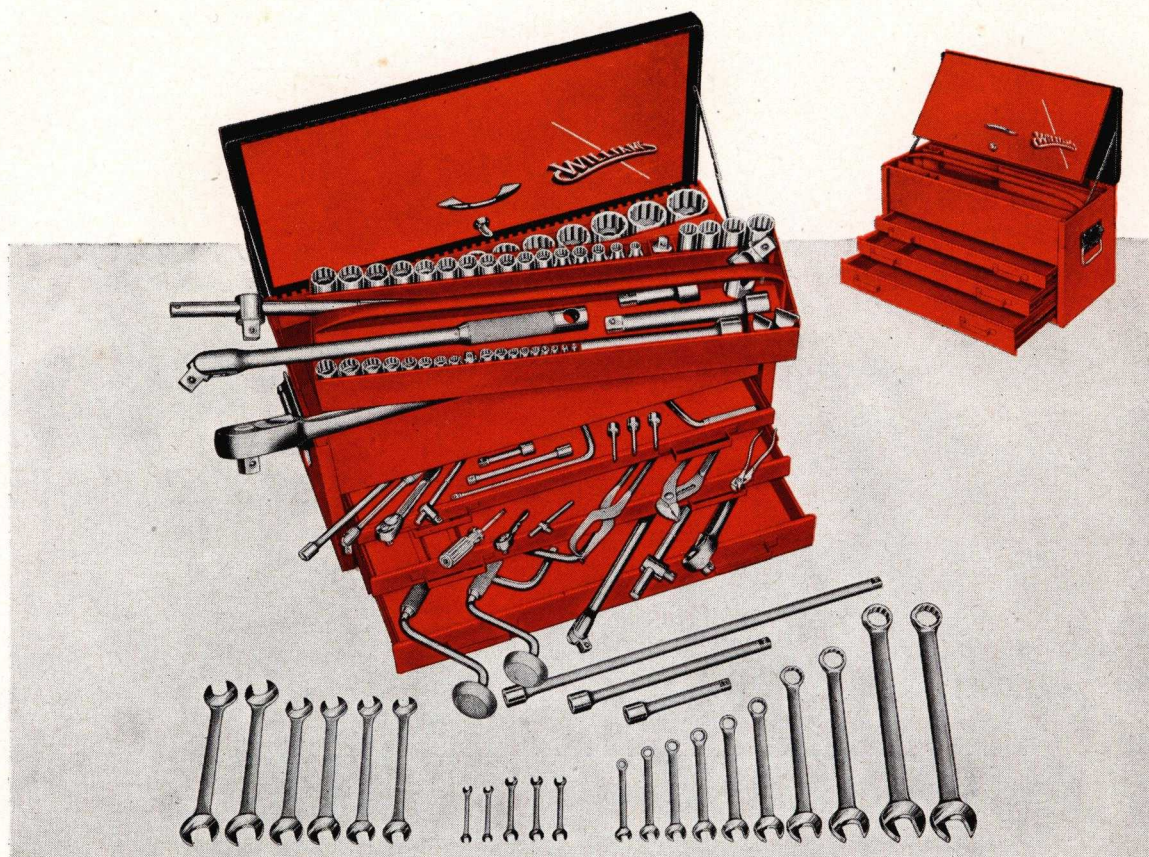
Weight, 13-1/2 lbs.



CONTENTS

- | | |
|--|---|
| <p>7 Extra Heavy Duty "Supersockets" with 12-point openings—1-1/4, 1-7/16, 1-5/8, 1-13/16, 2, 2-3/16 and 2-3/8".</p> <p>1 NX-20B—Sliding Handle—1" diameter, 20" long.</p> | <p>1 NX-20C—Adapter for Sliding Handle NX-20B.
1 NX-51—Reversible Ratchet, 25" long.
1 NX-110—Extension Bar, 9" long.
1 NX-115—Extension Bar, 18" long.</p> |
|--|---|

♦ REGISTERED TRADE MARK

WILLIAMS' ♦ "SUPERCHEST" No. 1001*Selected Alloy Steel***Complete in Metal Chest****100 Pieces****44 Sockets, 32 Attachments and 24 Wrenches, etc.****Total Weight, 90-1/2 lbs.****2 Color Steel Chest Only****10-1/4 x 12 x 23-1/2"****Weight, 36 lbs.**

The Williams' 1001 "Superchest" provides a scientifically matched assortment of wrenches in numerous patterns and detachable sockets with accessories in 1/4, 3/8, 1/2 and 3/4" drives that will meet every conceivable nut turning problem of the Machinist or Master Mechanic.

This smartly designed "Superchest" is constructed of heavy gauge steel adequately reinforced and welded. It is built to last a lifetime.

Drawers with handy compartments operate on free acting suspension slides. Removable "tote" tray gives

easy access to the roomy interior and has convenient compartments which keep sockets at proper height within easy finger-tip reach. Heavy duty handles provide for transportation. A cylinder lock on the hinged front panel securely locks entire chest.

(Contents listed on following page)

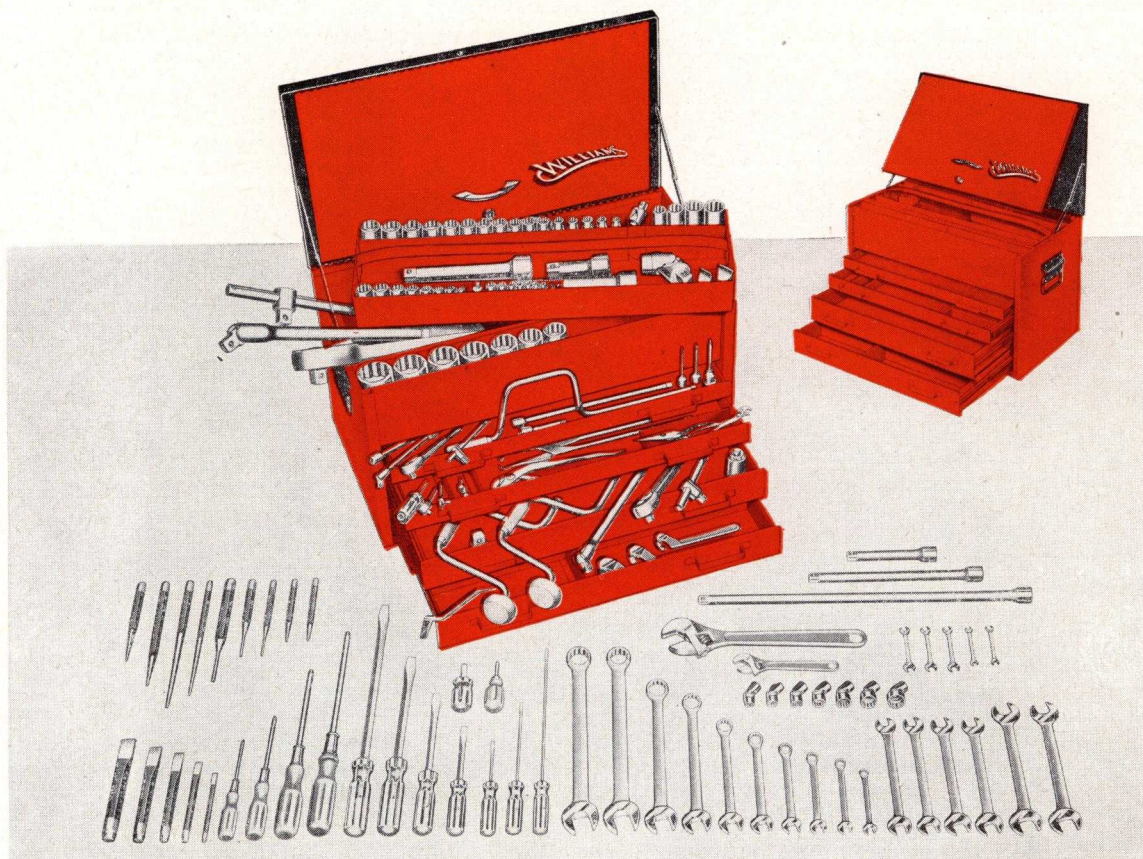
3-49

WILLIAMS' "SUPERCHEST" No. 1001

CONTENTS

"SUPERSOCKETS"						SOCKET ATTACHMENTS, WRENCHES, PLIERS	
Nominal Opening	No.	Amer. Std. HEAVY Nut (U.S.S.)	Amer. Std. Hex. Hd. Cap Screw	Amer. Std. LIGHT Nut (S.A.E.)	Amer. Std. REGULAR Nuts	No.	Piece
MIDGET PATTERN 1/4" Square Drive REGULAR HEX						MIDGET PATTERN 1/4" Square Drive	
3/16	NM-606				*No. 2 & 3	NM-20A	Sliding T Handle—4-1/2" long.
7/32	NM-607					NM-51	REVERSIBLE Ratchet—4-1/2" long.
1/4	NM-608				*4	NM-106	Extension Driver—6" long; plastic handle.
9/32	NM-609					BANTAM PATTERN 3/8" Square Drive	
REGULAR 12-POINT						BANTAM PATTERN 3/8" Square Drive	
5/16	NM-1210	1/8	1/8		*5 & 6	B-15	Speeder—16-1/2" long, with revolving Grip.
11/32	NM-1211				*8	B-20A	Sliding T Handle—6-1/2" long.
3/8	NM-1212		3/16		*10	B-40	Flex Handle—8" long; flexible head.
7/16	NM-1214		1/4	1/4	*12 & 1/4	B-51	REVERSIBLE Ratchet—6-1/2" long.
1/2	NM-1216	1/4	5/16	5/16		B-108	Extension Bar—3" long.
BANTAM PATTERN 3/8" Square Drive REGULAR 12-POINT						BANTAM PATTERN 3/8" Square Drive	
3/8	B-1212		3/16		*No. 10	B-110	Extension Bar—5-3/4" long.
7/16	B-1214		1/4	1/4	1/4	B-115	Extension Bar—10-1/2" long.
1/2	B-1216	1/4	5/16	5/16		B-140	Universal Joint.
9/16	B-1218		3/8	3/8	5/16	BP-2	Phillips Screw Driver Attachment.
5/8	B-1220		7/16	7/16	3/8	BP-3	Phillips Screw Driver Attachment.
11/16	B-1222	3/8				BP-4	Phillips Screw Driver Attachment.
3/4	B-1224		1/2	1/2	7/16	STANDARD PATTERN 1/2" Square Drive	
EXTRA DEEP 12-POINT						STANDARD PATTERN 1/2" Square Drive	
13/16	BD-1226		9/16		1/2	S-10	Speeder—12" long, with revolving Grips.
STANDARD PATTERN 1/2" Square Drive REGULAR 12-POINT						STANDARD PATTERN 1/2" Square Drive	
3/8	ST-1212		3/16			S-15	Speeder—17-1/2" long, with revolving Grips.
7/16	ST-1214		1/4	1/4	1/4	S-20A	Sliding T Handle—11" long.
1/2	ST-1216	1/4	5/16	5/16		S-41	Flex Handle—17" flexible head.
9/16	ST-1218		3/8	3/8	5/16	S-51	REVERSIBLE Ratchet—10-1/2" long.
19/32	ST-1219	5/16	7/16	7/16	3/8	S-110P	Extension Bar—5-1/2" long.
5/8	ST-1220		7/16	7/16	3/8	S-115P	Extension Bar—10-1/2" long.
21/32	ST-1221					S-121P	Extension Bar—20" long.
11/16	ST-1222	3/8				S-140	Universal Joint.
3/4	ST-1224		1/2	1/2	7/16	HEAVY DUTY PATTERN 3/4" Square Drive	
25/32	ST-1225	7/16				H-20A	Sliding T Handle—17-1/2" long.
13/16	ST-1226		9/16		1/2	H-41	Flex Handle—20" long; flexible head.
7/8	ST-1228	1/2	5/8	9/16	9/16	H-51	REVERSIBLE Ratchet—19" long.
15/16	ST-1230			5/8		H-104	Extension Bar—4" long.
31/32	ST-1231	9/16				H-110	Extension Bar—8" long.
1	ST-1232		3/4		5/8	H-115	Extension Bar—15-1/2" long.
EXTRA DEEP 12-POINT						HEAVY DUTY PATTERN 3/4" Square Drive	
11/16	SD-1222	3/8				H-140	Universal Joint.
13/16	SD-1226		9/16		1/2	LONG THIN "SUPERRENCHES"	
7/8	SD-1228T					1090D	Openings 1/2" & 9/16"—8" long.
1	SD-1232		3/4		5/8	1090D	Openings 5/8" & 11/16"—8" long.
DRAG LINK SOCKET BITS						LONG THIN "SUPERRENCHES"	
15/16	SB-30	Size Blade—7/64 x 15/16"				1092F	Openings 3/4" & 7/8"—9" long.
1-1/4	SB-40	Size Blade—3/32 x 1-1/4"				1094	
HEAVY DUTY PATTERN 3/4" Square Drive REGULAR 12-POINT						MIDGET "SUPERRENCHES"	
1-1/16	H-1234	5/8		3/4		1106	Openings 13/64 & 7/32"
1-1/8	H-1236		7/8			1107	Openings 15/64 & 1/4"
1-1/4	H-1240	3/4		7/8		1108	Openings 9/32 & 11/32"
1-5/16	H-1242		1			1108A	Openings 1/4 & 5/16"
1-7/16	H-1246	7/8		1		1109	Openings 5/16 & 3/8"
1-1/2	H-1248		1-1/8			OPEN END-BOX "SUPERRENCHES"	
1-5/8	H-1252	1		1-1/8		1159	Openings 5/16 & 5/16"—4-3/8" long.
"SUPERPLIERS"						OPEN END-BOX "SUPERRENCHES"	
						1160	Openings 3/8 & 3/8"—5" long.
						1161	Openings 7/16 & 7/16"—5-3/8" long.
						1162	Openings 1/2 & 1/2"—6" long.
						1163	Openings 9/16 & 9/16"—6-3/4" long.
						1164	Openings 5/8 & 5/8"—7-5/8" long.
						1166	Openings 3/4 & 3/4"—9-1/2" long.
						1167	Openings 7/8 & 7/8"—10-1/2" long.
						1168	Openings 15/16 & 15/16"—13" long.
						1170	Openings 1" & 1"—13" long.
						"SUPERPLIERS"	
						1517	Pliers, 13"; for brake-shoe springs.
						1519	Midget, 4-1/2"; 4-position slip-joint pliers.
						1520	Standard, 9-1/2"; 8-position slip-joint.

* Machine Screw Nut.

WILLIAMS' ♦ "SUPERCHEST" No. 2001*Selected Alloy Steel***Complete in Metal Chest****146 Pieces****51 Sockets, 37 Attachments and 58 Wrenches, etc.****Total Weight, 118-1/2 lbs.****2 Color Steel Chest Only****12-5/8 x 15-1/8 x 23-1/2"****Weight, 51 lbs.**

Williams' 2001 "Superchest" is a superbly complete set of tools — a miniature tool room. A wide range of "Supersockets" with Attachments in 1/4, 3/8, 1/2 and 3/4" drives gives the operator an extremely flexible wrench system. Additional "Superwrenches," pliers, chisels, screwdrivers, etc. make this set remarkably versatile.

This smartly designed "Superchest" is constructed of heavy gauge steel adequately reinforced and welded. It is built to last a lifetime.

Drawers with handy compartments operate on free acting suspension slides. Removable "tote" tray gives

easy access to the roomy interior and has convenient compartments which keep sockets at proper height within easy finger-tip reach. Heavy duty handles provide for transportation. A cylinder lock on the hinged front panel securely locks entire chest.

(Contents listed on following page)

3-49

WILLIAMS' "SUPERCHEST" No. 2001

CONTENTS

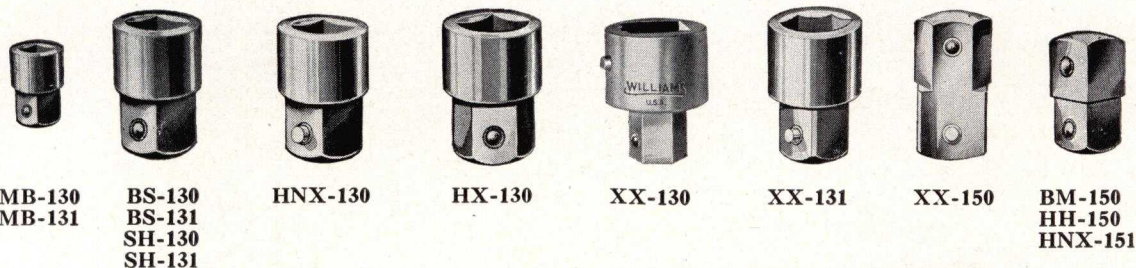
"SUPERSOCKETS"					
Nominal Opening	No.	U. S. Std. Nuts	Hex Cap Screws	S.A.E. Std. Nuts	Amer. Std. REGULAR Nuts
MIDGET PATTERN—1/4" Square Drive REGULAR HEX					
3/16	NM-606				*No. 2 & 3
7/32	NM-607				
1/4	NM-608				*4
9/32	NM-609				
REGULAR 12-POINT					
5/16	NM-1210	1/8	1/8		*5 & 6
11/32	NM-1211				*8
3/8	NM-1212		3/16		*10
7/16	NM-1214		1/4	1/4	*12 & 1/4
1/2	NM-1216	1/4	5/16	5/16	
BANTAM PATTERN—3/8" Square Drive REGULAR 12-POINT					
3/8	B-1212		3/16		*No. 10
7/16	B-1214		1/4	1/4	1/4
1/2	B-1216	1/4	5/16	5/16	
9/16	B-1218		3/8	3/8	5/16
5/8	B-1220		7/16	7/16	3/8
11/16	B-1222	3/8			
3/4	B-1224		1/2	1/2	7/16
1 1/16	BD-1226		9/16		1/2
UNIVERSAL 12-POINT					
3/8	BU-1212		3/16		*10
7/16	BU-1214		1/4	1/4	*12 & 1/4
1/2	BU-1216	1/4	5/16	5/16	
9/16	BU-1218		3/8	3/8	5/16
5/8	BU-1220		7/16	7/16	3/8
11/16	BU-1222	3/8			
3/4	BU-1224		1/2	1/2	7/16
STANDARD PATTERN—1/2" Square Drive REGULAR 12-POINT					
3/8	ST-1212		3/16		
7/16	ST-1214		1/4	1/4	1/4
1/2	ST-1216	1/4	5/16	5/16	
9/16	SF-1218				
9/16	ST-1218		3/8	3/8	5/16
19/32	ST-1219	5/16			
5/8	ST-1220		7/16	7/16	3/8
21/32	ST-1221				
11/16	ST-1222	3/8			
3/4	ST-1224		1/2	1/2	7/16
25/32	ST-1225	7/16			
13/16	ST-1226		9/16		1/2
7/8	ST-1228	1/2	5/8	9/16	9/16
15/16	ST-1230			5/8	
31/32	ST-1231	9/16			
1	ST-1232		3/4		5/8
EXTRA DEEP 12-POINT					
11/16	SD-1222	3/8			
13/16	SD-1226		9/16		1/2
7/8	SD-1228T				
1	SD-1232		3/4		5/8
DRAG LINK SOCKET BITS					
15/16	SB-30	Size Blade—7/64 x 15/16"			
1-1/4	SB-40	Size Blade—3/32 x 1-1/4"			
HEAVY DUTY PATTERN—3/4" Square Drive REGULAR 12-POINT					
1-1/16	H-1234	5/8		3/4	
1-1/8	H-1236		7/8		3/4
1-1/4	H-1240	3/4		7/8	
1-5/16	H-1242		1		7/8
1-7/16	H-1246	7/8		1	
1-1/2	H-1248		1-1/8		1
1-5/8	H-1252	1		1-1/8	
SOCKET ATTACHMENTS, WRENCHES, ETC.					
No.	Piece				
MIDGET PATTERN—1/4" Square Drive					
NM-20A	Sliding T Handle—4-1/2" long.				
NM-51	REVERSIBLE Ratchet—4-1/2" long.				
NM-106	Extension Driver—6" long; plastic handle.				
NMP-1	Phillips Screw Driver Attachment.				
NMP-2	Phillips Screw Driver Attachment.				
BANTAM PATTERN—3/8" Square Drive					
B-15	Speeder—16-1/2" long, with revolving Grip.				
B-20A	Sliding T Handle—6-1/2" long.				
B-40	Flex Handle—8" long; flexible head.				
B-51	REVERSIBLE Ratchet—6-1/2" long.				
B-108	Extension Bar—3" long.				
B-110	Extension Bar—5-3/4" long.				
B-115	Extension Bar—10-1/2" long.				
B-140	Universal Joint.				
BP-2	Phillips Screw Driver Attachment.				
BP-3	Phillips Screw Driver Attachment.				
BP-4	Phillips Screw Driver Attachment.				
BS-130	Adapter 3/8" sq. female and 1/2" sq. male.				
SOCKET ATTACHMENTS, WRENCHES, ETC.					
No.	Piece				
STANDARD PATTERN—1/2" Square Drive					
S-10	Speeder—12" long, with revolving Grips.				
S-15	Speeder—17-1/2" long, with revolving Grips.				
S-20A	Sliding T Handle—11" long.				
S-41	Extra Long Flex Handle—17" flexible head.				
S-51	REVERSIBLE Ratchet—10-1/2" long.				
S-55	REVERSIBLE Ratchet Adapter.				
S-110P	Extension Bar—5-1/2" long.				
S-115P	Extension Bar—10-1/2" long.				
S-121P	Extension Bar—20" long.				
S-140	Universal Joint.				
SH-130	Adapter—1/2" sq. female—3/4" sq. male.				
HEAVY DUTY PATTERN—3/4" Square Drive					
H-20A	Sliding T Handle—17-1/2" long.				
H-41	Flex Handle—20" long; flexible head.				
H-51	REVERSIBLE Ratchet—19" long.				
H-104	Extension Bar—4" long.				
H-110	Extension Bar—8" long.				
H-115	Extension Bar—15-1/2" long.				
H-140	Universal Joint.				
LONG THIN "SUPERRENCHES"					
1090D	Openings 1/2" & 9/16"—8" long.				
1090D	Openings 5/8" & 11/16"—8" long.				
1092F	Openings 3/4" & 7/8"—9" long.				
1094	Openings 3/4" & 7/8"—9" long.				
MIDGET "SUPERRENCHES"					
1106	Openings 13/64" & 7/32" } 3" long.				
1107	" 15/64" & 1/4" }				
1108	" 9/32" & 11/32" }				
1108A	" 1/4" & 5/16" }				
1109	" 5/16" & 3/8" } 3-1/2" long.				
OPEN END-BOX "SUPERRENCHES"					
1159	Openings 5/16" & 5/16"—4-3/8" long.				
1160	" 3/8" & 3/8"—5" long.				
1161	" 7/16" & 7/16"—5-3/8" long.				
1162	" 1/2" & 1/2"—6" long.				
1163	" 9/16" & 9/16"—6-3/4" long.				
1164	" 5/8" & 5/8"—7-5/8" long.				
1166	" 3/4" & 3/4"—9-1/2" long.				
1167	" 7/8" & 7/8"—10-1/2" long.				
1168	" 15/16" & 15/16"—13" long.				
1170	" 1" & 1"—13" long.				
ADJUSTABLE HOOK SPANNERS					
1471	Capacity for Circles, 3/4 to 2".				
1472	" " " 1-1/4 to 3".				
1474	" " " 2 to 4-3/4".				
"SUPERJUSTABLES"					
6"	Capacity—3/4"				
12"	" —1-5/16"				
SPECIAL "SUPERRENCH"					
1998B	For Star Nut, etc.—Bendix Hydraulic.				
"SUPERPLIERS," ETC.					
76	Needle Nose Side Cutting Pliers—6" long.				
1517	Pliers, 13"; for brake-shoe springs.				
1519	Midget, 4-1/2"; 4-position slip-joint plier.				
1520	Standard, 9-1/2"; 8-position slip-joint.				
REGULAR SCREW DRIVERS					
4	Square Blade—length 4".				
6	Square Blade—length 6".				
8	Square Blade—length 8".				
12	Square Blade—length 12".				
43	Round Blade—length 3".				
46	Round Blade—length 6".				
50	Round Blade—length 10".				
62	Regular Stubby—blade length, 1-1/2".				
PHILLIPS SCREW DRIVERS					
WP-1	Fits Screws No. 4 and smaller.				
WP-2	" " " 5 to 9 inclusive.				
WP-3	" " " 10 to 16 inclusive.				
WP-4	" " " 18 and larger.				
WP-62	Stubby " " 5 to 9 inclusive.				
PUNCHES					
P-4	Pin Punch—6" long—1/8" point.				
P-6	Pin Punch—6" long—3/16" point.				
P-8	Pin Punch—8" long—1/4" point.				
P-13	Solid Punch—6" long—3/32" point.				
P-14	Solid Punch—8" long—1/8" point.				
P-25	Long Taper Punch—9" long—5/32" point.				
P-26	Long Taper Punch—10" long—3/16" point.				
P-30	Prick Punch—5" long.				
P-40	Center Punch—5" long.				
CHISELS					
C-8	Width of Cut—1/4"—4-3/4" long.				
C-12	" " " —3/8"—5-1/2" long.				
C-16	" " " —1/2"—6" long.				
C-20	" " " —5/8"—6-1/2" long.				
C-24	" " " —3/4"—7" long.				

* Machine Screw Nut.

† Extra Deep Socket.

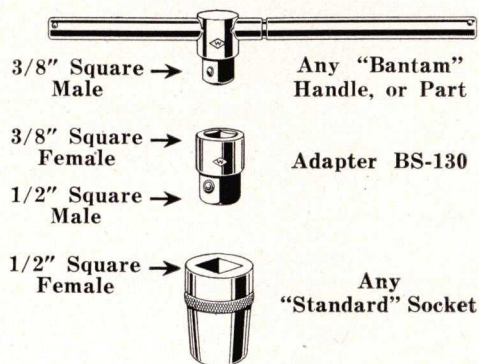
WILLIAMS' ♦ "SUPERSOCKET" WRENCHES Selected Alloy Steel

ADAPTERS—FOR "SUPERSOCKETS", HANDLES AND PARTS



Williams' Adapters provide for the use of Sockets of one pattern with Handles and Parts of another pattern. See illustration at right showing, for instance, how Adapter BS-130 permits use of "Bantam" Handles (3/8" square male drive) with "Standard" Sockets (1/2" square female drive).

Finished in chrome-plate over nickel.

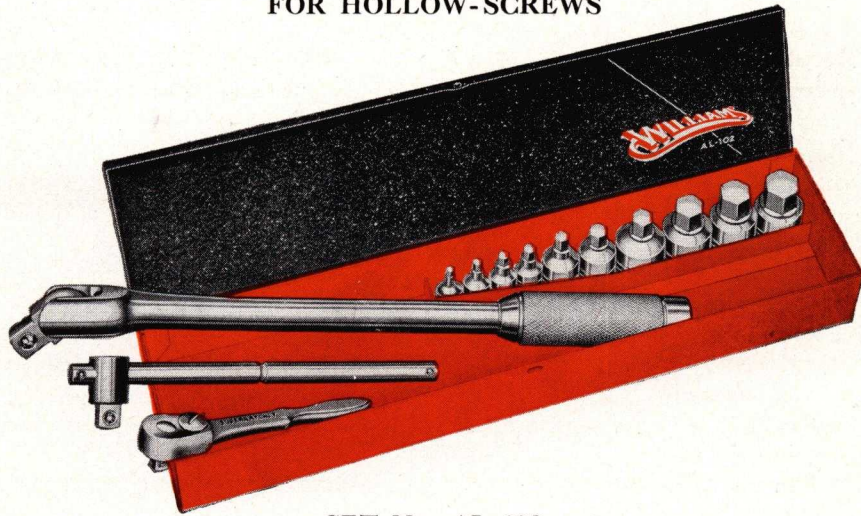


No.	ADAPTER	No.
BM-150	3/8" square male and 1/4" square male. Adapts Sockets with 3/8" drive-opening to MR-51 Refrigeration Ratchet and other Midget Handles and Parts	BM-150
MB-130	1/4" square female and 3/8" square male. Adapts Handles with 1/4" square drive to Sockets with 3/8" square drive.	MB-130
MB-131	1/4" square male and 3/8" square female. Adapts Sockets with 1/4" square drive to Handles with 3/8" square drive-plug	MB-131
BS-130	1/2" square male and 3/8" square female. Adapts "Bantam" Handles and Parts (3/8" square male drive) to "Standard" Sockets (1/2" square drive-opening).	BS-130
BS-131	3/8" square male and 1/2" square female. Adapts "Bantam" Sockets (3/8" square drive-opening) to "Standard" Handles and Parts (1/2" square male drive)	BS-131
SH-130	3/4" square male and 1/2" square female. Adapts "Standard" Handles and Parts (1/2" square male drive) to "Heavy Duty" Sockets (3/4" square female drive).	SH-130
SH-131	3/4" square female and 1/2" square male. Adapts "Heavy Duty" Handles and Parts (3/4" square male drive) to Standard Sockets (1/2" square drive-opening).	SH-131
HX-130	1" hex male and 3/4" square female. Adapts "Heavy Duty" Handles and Parts (3/4" square male drive) to Sockets with 1" hex female drive.	HX-130
HNX-130	1" square male and 3/4" square female. Adapts "Heavy Duty" Handles and Parts (3/4" square male drive) to "Extra Heavy Duty" Sockets (1" square drive-opening).	HNX-130
XX-130	1" hex male and 1" square female. Adapts Sockets 1" hex drive-opening to Handles and Parts with 1" square male drive.	XX-130
XX-131	1" hex female and 1" square male. Adapts Sockets 1" square drive-opening to Handles and Parts with 1" hex male drive.	XX-131
HH-150	5/8" square male and 3/4" square male. Adapts Sockets with 5/8" square drive-opening to Ratchets with 3/4" square drive; also, Ratchets with 5/8" square drive to Sockets with 3/4" square drive-opening.	HH-150
HNX-151	1" square male and 3/4" square male. Adapts Sockets with 1" square drive-opening to Ratchets with 3/4" square drive; also, Ratchets with 1" square drive to Sockets with 3/4" square drive-opening.	HNX-151
XX-150	1" square male and 1" hex male. Adapts Sockets with 1" square drive-opening to Ratchets with 1" hex male drive; also, Ratchets with 1" square drive to Sockets, 1" hex drive-opening	XX-150

♦ REGISTERED TRADE MARK

3-49

WILLIAMS' ♦ "SUPERSOCKET" WRENCHES Selected Alloy Steel FOR HOLLOW-SCREWS



SET No. AL-102

Complete in Metal Case

13 Pieces — 10 Sockets and 3 Attachments

Total Weight, 4-1/8 lbs.

2 Color Steel Case Only

1-1/2 x 3 x 12-1/2" — Weight, 1-1/2 lbs.

This Set of Williams' detachable "Supersocket" Bits and Parts provides especially efficient wrenches for all popular hollow (hex socket) set screws and cap screws; see table.

Replacing old type L-shape wrenches, bent from hex bar steel, these tools provide all the advantages of the Detachable Socket Wrench system for users of Hollow-Screws.

Detachable "Bits," with projecting hex plug, are substituted for conventional detachable sockets. Only Williams' Bits have knurled end for fast spinning of screws before tightening.

Bits and Parts, made from Selected Alloy Steel, are heat-treated in electric furnaces. They inter-change in Williams' regular Midget, Bantam and Standard "Supersocket" lines.

No.	HANDLES and PARTS	No.
NM-51	Reversible "Superratchet"—4-1/2" long, Reverses instantly.....	NM-51
B-20A	Sliding T Handle—6-1/2" long.....	B-20A
S-40	Flex Handle—12" long, flexible head.....	S-40

"SUPERSOCKET" BITS—SOLD IN SET NO. AL-102 OR INDIVIDUALLY

Bit No.	Hex. Plug, Size	Square Drive	For Hollow Screws		Bit No.
			Set Screw	Cap Screw	
NAM-604	1/8	1/4	1/4	No. 8	NAM-604
NAM-605	5/32	1/4	5/16	10 & 12	NAM-605
NAM-606	3/16	1/4	3/8	1/4	NAM-606
NAM-607	7/32	1/4	7/16	5/16	NAM-607
AB-608	1/4	3/8	1/2 & 9/16	.....	AB-608
AB-610	5/16	3/8	5/8	3/8 & 7/16	AB-610
AS-612	3/8	1/2	3/4	1/2 & 9/16	AS-612
AS-616	1/2	1/2	7/8	5/8	AS-616
AS-618	9/16	1/2	1 & 1 1/8	3/4 & 7/8	AS-618
AS-620	5/8	1/2	1 1/4 & 1 3/8	1	AS-620

♦ REGISTERED TRADE MARK

WILLIAMS' REFRIGERATION WRENCHES

Selected Alloy Steel

WILLIAMS' RATCHET WRENCHES

Drop-Forged—Chrome-Plated

Especially efficient for speedy and accurate adjustment of all valves.

No. B-50A

Has 1/4" square drive-opening in ratchet; also, 1/4" square hole near end of handle. Length, 6-1/2".

No. B-50B

Has 5/16" sq. ratchet drive-opening. Length, 6-1/2".

WILLIAMS' RATCHET WRENCHES

Selected Alloy—Cadmium-Plated**No. MR-51**

This 6" light weight drop-forged reversible ratchet has 1/4" female drive in head, 5/16", 1/4" and 3/16" square openings and 1/2" hex opening in handle for delicate adjustment of valve steams, etc.

WILLIAMS' WHEEL PULLER No. 5

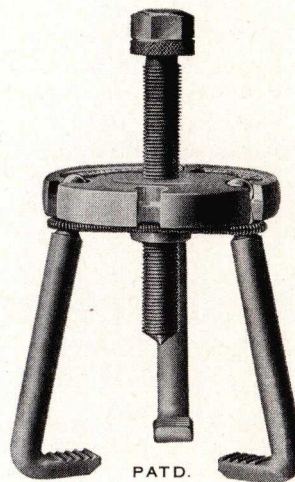
FOR REFRIGERATION SERVICE

This Williams' Wheel Puller is a simple efficient tool developed for the many pulling jobs in Refrigeration Service, such as flywheels, fans and pulleys. It can also be used for many pulling jobs on electric motors, etc.

The body, forged from high tensile steel, has four sockets into which either two or all three of the arms may be placed in various positions, providing a combination of grips. Flywheels with even or odd numbers of spokes are pulled with equal ease. All three arms are necessary for odd-spoke wheels, while only two are needed for an even number of spokes. The pulling capacity is 7" diameter.

Easily adjusted arms, processed from alloy steel, are held in place by an endless spring. They are instantly reversible by merely turning the arm in the socket for either internal or external pulling. This feature eliminates the need of removing or repositioning the arms.

The hex head of the power screw, on which any convenient wrench can be used, has a knurled band to facilitate rapid hand turning. Its cone point fits into the center-hole of the shaft end.



No.	Capacity Diameter	Body Diameter	Length Arms	Extra Parts Available			No.
				Arms	Screw	Spring	
5	7	3 1/4	4 1/4				5

Weights: see numerical index.

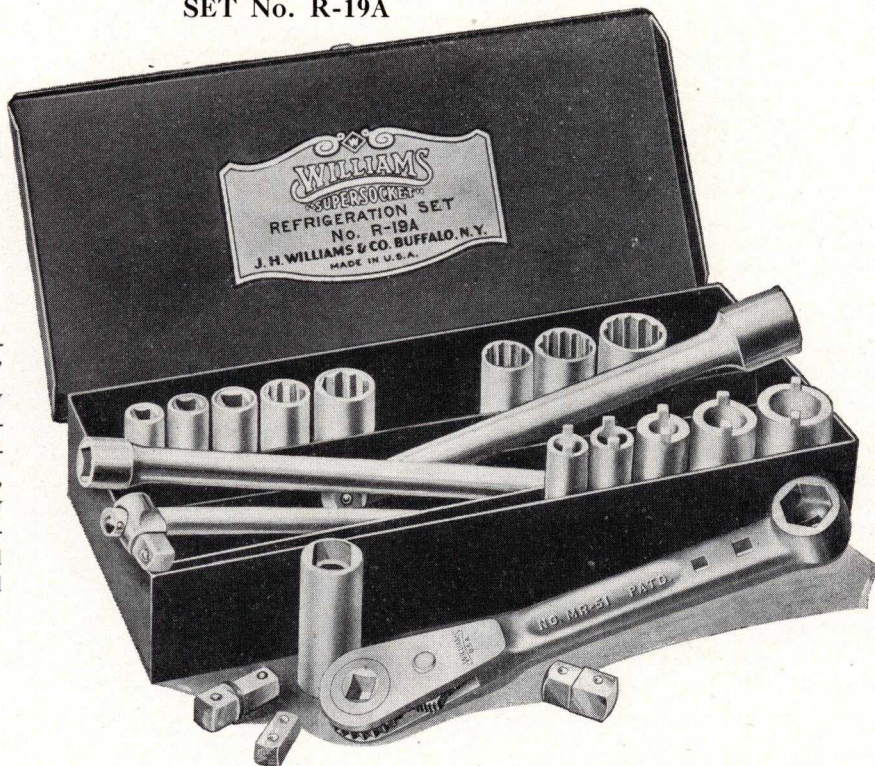
3-49

WILLIAMS' "SUPERSOCKET" WRENCHES Selected Alloy Steel FOR REFRIGERATION SERVICE SET No. R-19A

21 Pieces

In Strong Steel Case
7-3/4 x 3-3/8 x 1-1/4"
Total Weight, 2-3/4 lbs.

This handy, compact assortment of "Supersocket" Wrenches has been carefully selected for servicing and repairing all makes of Electric Refrigerators. 14 slim, straight-wall Chrome-Alloy Sockets and 7 Accessories, including a specially designed Reversible Ratchet, described in table below.



CONTENTS OF SET



NM-406 to NM-812

†Midget "Supersockets" 1/4" Square Drive

No.	Square Opening	Diameter	
		Nose	Base
NM-406	3/16	7/16	1/2
NM-407	7/32	15/32	1/2
NM-408	1/4	1/2	1/2
NM-810	*5/16	9/16	9/16
NM-812	*3/8	11/16	11/16

† All 7/8" long.

* 8-Point Opening.



NMR-15

Kerotest Valve Packing Nut Socket 1/4" Square Drive

No.	Oval Opening	Extreme Size	
		Diam.	Length
NMR-15	1/2 x 3/8	5/8	1-1/2

Bantam "Supersockets" 3/8" Square Drive

No.	12-Point Opening	Diameter	
		Nose	Base
B-1214	7/16	39/64	21/32
B-1216	1/2	11/16	11/16
B-1218	9/16	49/64	49/64



B-1214 to B-1218

†Packing Gland Nut "Supersockets" 1/4" Square Drive

No.	Size Prongs		Diameter	
	Depth	Width	Inside	Outside
NMR-2	3/32	5/64	21/64	7/16
NMR-4	3/32	1/8	21/64	15/32
NMR-6	3/32	7/64	21/64	9/16
NMR-8	1/8	1/8	29/64	11/16
NMR-10	3/32	5/64	9/16	13/16

† All 1-1/2" long.



NMR-2 to NMR-10

HANDLES AND PARTS

No.	Piece	No.	Piece
MR-51	This 6" light weight drop-forged reversible ratchet has 1/4" female drive in head, 5/16", 1/4" and 3/16" square openings and 1/2" hex opening in handle for delicate adjustment of valve stems, etc.	NM-115	Extension—6" long; 1/4" square drive, male and female.
NM-20A	Sliding T Handle—4-1/2" long; 1/4" square male drive.	MM-150	Plug Adapter—1" long; 1/4" square and 9/32" square for driving former 9/32" drive sockets.
B-110	Extension—5-1/2" long; 3/8" square drive, male and female.	NM-150	Plug Adapter—3/4" long; both ends 1/4" square male.
		BM-150	Adapter—3/8" square male and 1/4" square male.

♦ REGISTERED TRADE MARK

WILLIAMS' IMPACT ♦ "SUPERSOCKETS"**FOR USE WITH ALL TYPES OF POWER AND IMPACT WRENCHES**

Williams' Impact "Supersockets" are adaptable to all socket locking methods used on the various types and makes of power impact wrenches. Accurate fit and precision machining assure long life and safe, dependable service.

**MADE OF EXTRA-TOUGH ALLOY STEEL
SPECIALLY HEAT-TREATED**

They withstand the constant shock and pounding involved in electric and pneumatic impact nut setting or power nut running. Performance in strength and toughness is far beyond that found in ordinary power sockets.

**7 SQUARE DRIVE SIZES — OVER 150 SOCKETS
HEX AND 8-POINT OPENINGS**

Impact "Supersockets" are available with hex openings from 3/16" to 3-1/2" and 8-point openings from 5/16" to 1-1/4" in regular and bolt clearance lengths. A wide selection is offered for all types of impact work found in manufacturing plants, shipyards, locomotive and railroad shops, automotive service and assembly work, etc.

*Impact "Supersocket" Catalog No. A-100 completely covers this line.
A copy will be sent you on request.*

WILLIAMS' "MULTISOCKET" WRENCH

EIGHT-IN-ONE
PATENTED

No. 1999

8 Different 12-Point Openings

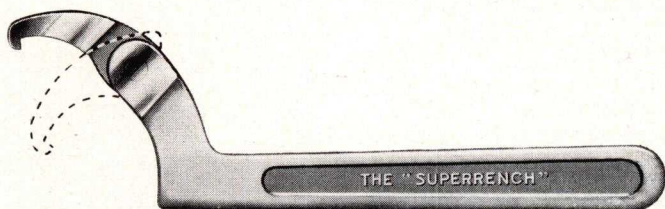
Small Head; 7/16, 1/2, 9/16, 19/32" — Large Head; 5/8, 11/16, 3/4, 7/8"

The openings grip hex nuts on six sides; no slipping or rounding of the nuts' corners.

Swivel heads, with index spring to retain working opening in position for use, permit handle to be operated at practically any angle desired. Can be used as a socket wrench.

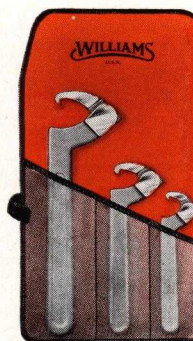
The entire wrench is drop-forged, heat-treated and finished in cadmium-plate. Length, 9 inches.

WILLIAMS' ADJUSTABLE HOOK SPANNERS

Selected Alloy Steel

These Spanners offer an unusual combination of strength and ready adjustment; each tool provides for a wide range of sizes — see table. Drop-forged from Selected Alloy Steel, heat-treated and chrome-plated, face of jaw and raised part of handle buffed bright.

Sold individually, or in Set No. 1400 which is especially serviceable on Spindle Bearings of Lathes, Milling Machines, Grinding Machines, Rear Axle Shaft Bearings, Exhaust Manifold Gland Nuts, Differential Pinion Gear, Rear Wheel Bearings, Water-Pump Packing Nuts, etc. Also, for adjusting collars and slotted rings used on many types of automatic machines.



SET No. 1400

In Leatherette Roll
In Cardboard Box

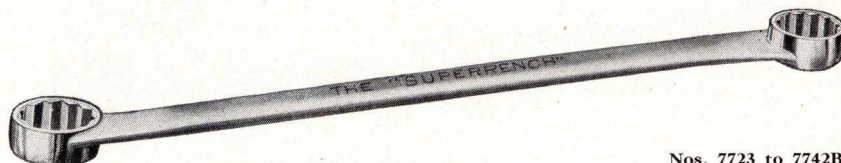
No.	Capacity for Circles, Diameter	Extreme Length, Approx.	Thickness		Depth Hook	No.
			Handle	Hook		
1471	3/4 to 2	6 3/8	1/4	11/32	1/8	1471
1472	1 1/4 to 3	8 1/8	9/32	13/32	5/32	1472
1474	2 to 4 3/4	11 3/8	5/16	15/32	3/16	1474

WILLIAMS' 12-POINT-BOX "SUPERRENCHES"

Selected Alloy Steel

15° ANGLE OFFSET PATTERNS

Nos. 6723 to 6727



Nos. 7723 to 7742B

These 12-Point Box "Superrenches" are particularly well adapted to work in close quarters. Thin head walls permit use where clearance is extremely limited. The openings grip hex nuts on six sides, preventing all slipping and rounding of the nuts' corners. The Long Pattern provides unusual reach and leverage.

Each head has a 12-point opening; consequently, hex nuts can be completely rotated where the swing of the wrench is limited to 30°—less than 1/10 of a full turn.

GENUINE "SUPERRENCHES," forged from Selected Alloy Steel—heat-treated.

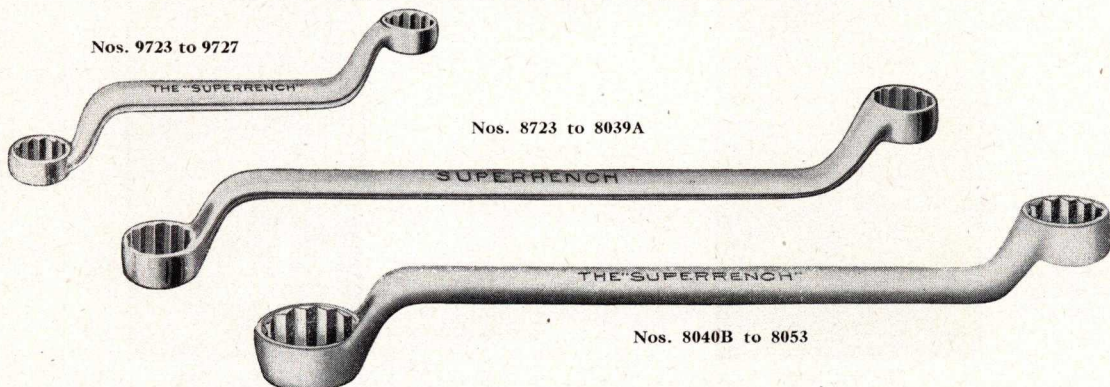
Finish—Chrome plate over nickel, heads bright.

No.	Nominal Openings	For Amer. Std. HEAVY Nuts (U.S.S.); Size Bolts	For Amer. Std. Hex Head Cap Screws; Diam. Screws	For Amer. Std. LIGHT Nuts (S.A.E.); Size Bolts	For Amer. Std. REGULAR Nuts; Size Bolts	Extreme Length, Approx.	No.
LONG PATTERN—Different Opening in Each Head							
7723	3/8 & 7/16	.....	3/16 & 1/4	1/4 1/4	1/4 1/4	7 3/8	7723
7725	7/16 & 1/2	..... 1/4	1/4 & 5/16	1/4 & 5/16	1/4 3/4	7 3/4	7725
7725A	7/16 & 9/16	.....	1/4 & 3/8	1/4 & 3/8	1/4 & 5/16	8 1/4	7725A
7725B	1/2 & 9/16	..... 1/4	5/16 & 3/8	5/16 & 3/8	5/16	8 1/4	7725B
7025	1/2 & 19/32	..... 1/4 & 5/16	5/16	5/16	.....	8 1/4	7025
7727	9/16 & 5/8	.....	3/8 & 7/16	3/8 & 7/16	5/16 & 3/8	9 1/4	7727
7027	19/32 & 11/16	..... 5/16 & 3/8	.....	.....	.....	10 1/2	7027
7727A	5/8 & 11/16	..... 3/8	7/16	7/16	3/8	10 1/2	7727A
7729	5/8 & 3/4	.....	7/16 & 1/2	7/16 & 1/2	3/8 & 7/16	10 1/2	7729
7029B	11/16 & 3/4	..... 3/8	1/2	1/2	7/16	10 1/2	7029B
7029	11/16 & 25/32	..... 3/8 & 7/16	.....	.....	.....	10 1/2	7029
7729A	3/4 & 25/32	..... 7/16	1/2	1/2	7/16	12	7729A
7731A	3/4 & 7/8	..... 1/2	1/2 & 5/8	1/2 & 9/16	7/16 & 9/16	12	7731A
7031B	25/32 & 13/16	..... 7/16	9/16	.....	1/2	12	7031B
7031	25/32 & 7/8	..... 7/16 & 1/2	5/8	9/16	9/16	12	7031
7731B	13/16 & 7/8	..... 1/2	9/16 & 5/8	9/16	1/2 & 9/16	12	7731B
7033A	7/8 & 15/16	..... 1/2	5/8	9/16 & 5/8	9/16	13 3/4	7033A
7733	7/8 & 1	..... 1/2	5/8 & 3/4	9/16	9/16 & 5/8	13 3/4	7733
7033C	15/16 & 1	.....	5/8 & 3/4	5/8	5/8	13 3/4	7033C
7034A	15/16 & 1 1/16	..... 5/8	.....	5/8 & 3/4	.....	15 1/2	7034A
7735	1 & 1 1/8	.....	3/4 & 7/8	.....	5/8 & 3/4	17 1/4	7735
7735A	1 1/16 & 1 1/8	..... 5/8	7/8	3/4	3/4	17 1/4	7735A
7037	1 1/16 & 1 1/4	..... 5/8 & 3/4	.....	3/4 & 7/8	.....	17 1/4	7037
7037A	1 1/8 & 1 5/16	.....	7/8 & 1	.....	3/4 & 7/8	19	7037A
7039B	1 1/4 & 1 5/16	..... 3/4	1	7/8	7/8	19	7039B
7039	1 1/4 & 1 7/16	..... 3/4 & 7/8	.....	7/8 & 1	.....	19	7039
7039A	1 5/16 & 1 1/2	..... 1	1 & 1 1/8	.....	7/8 & 1	19	7039A
7040B	1 7/16 & 1 1/2	..... 7/8	1 1/8	1	1	21	7040B
7041	1 7/16 & 1 5/8	..... 7/8 & 1	.....	1 & 1 1/8	.....	23	7041
7742B	1 1/2 & 1 11/16	.....	1 1/8 & 1 1/4	.....	1 & 1 1/8	23	7742B
SHORT PATTERN—Different Opening in Each Head							
6723	3/8 & 7/16	.....	3/16 & 1/4	1/4 1/4	1/4 1/4	4 1/2	6723
6725	7/16 & 1/2	..... 1/4	1/4 & 5/16	1/4 & 5/16	1/4 5/16	5 1/2	6725
6725A	7/16 & 9/16	.....	1/4 & 3/8	1/4 & 3/8	1/4 & 5/16	5 1/2	6725A
6725B	1/2 & 9/16	..... 1/4	5/16 & 3/8	5/16 & 3/8	5/16	5 1/2	6725B
6025	1/2 & 19/32	..... 1/4 & 5/16	5/16	5/16	.....	5 1/2	6025
6727	9/16 & 5/8	.....	3/8 & 7/16	3/8 & 7/16	5/16 & 3/8	6	6727

♦ REGISTERED TRADE MARK

4-49

WILLIAMS' 12-POINT-BOX "SUPERRENCHES" Selected Alloy Steel DOUBLE OFFSET PATTERNS



These 12-Point Box "Superrenches" are particularly well adapted to work in close quarters. Thin head walls permit use where clearance is extremely limited. The openings grip hex nuts on six sides, preventing all slipping and rounding of the nut's corners. The Long Pattern provides unusual reach and leverage.

Each head has a 12-point opening; consequently, hex nuts can be completely rotated where the swing of the wrench is limited to 30°—less than 1/10 of a full turn.

Ideal for use on Connecting Rods, Main Bearings, Base, Cylinder Heads, Spring Clips and in awkward places. GENUINE "SUPERRENCHES," forged from Selected Alloy Steel—heat-treated.

Finish—Chrome plate over nickel, heads bright. Nos. 8040B through 8053, Baked Gray Enamel.

Supplied in Whitworth Standard and Metric sizes also; see page 76

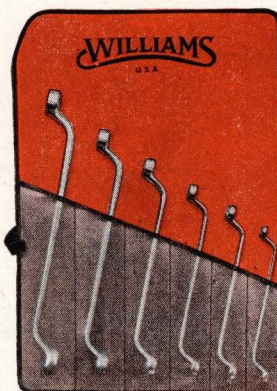
No.	Nominal Openings	For Amer. Std. HEAVY Nuts (U.S.S.); Size Bolts	For Amer. Std. Hex Head Cap Screws; Diam. Screws	For Amer. Std. LIGHT Nuts (S.A.E.); Size Bolts	For Amer. Std. REGULAR Nuts; Size Bolts	Extreme Length, Approx.	No.
LONG PATTERN—Different Opening in Each Head							
8723	3/8 & 7/16	1/4	3/16 & 1/4	1/4	1/4	7 3/4	8723
8725	7/16 & 1/2	1/4	1/4 & 5/16	1/4 & 5/16	1/4	8 1/4	8725
8725A	7/16 & 9/16	1/4	1/4 & 3/8	1/4 & 3/8	1/4 & 5/16	8 3/4	8725A
8725B	1/2 & 9/16	1/4	5/16 & 3/8	5/16 & 3/8	5/16	8 3/4	8725B
8025	1/2 & 19/32	1/4 & 5/16	5/16	5/16	5/16 & 3/8	8 3/4	8025
8727	9/16 & 5/8	5/16	3/8 & 7/16	3/8 & 7/16	5/16 & 3/8	9 3/4	8727
8027	19/32 & 11/16	5/16 & 3/8	7/16	7/16	3/8	11	8027
8727A	5/8 & 11/16	3/8	7/16 & 1/2	7/16 & 1/2	3/8 & 7/16	11	8727A
8729	5/8 & 3/4	3/8	7/16 & 1/2	7/16 & 1/2	3/8 & 7/16	11	8729
8029B	11/16 & 3/4	3/8	1/2	1/2	7/16	11	8029B
8029	11/16 & 25/32	3/8 & 7/16	1/2	1/2	7/16	11	8029
8729A	3/4 & 25/32	7/16	1/2 & 5/8	1/2 & 9/16	7/16 & 9/16	12 1/2	8729A
8731A	3/4 & 7/8	1/2	1/2 & 5/8	1/2 & 9/16	7/16 & 9/16	12 1/2	8731A
8031B	25/32 & 13/16	7/16	9/16	9/16	1/2	12 1/2	8031B
8031	25/32 & 7/8	7/16 & 1/2	5/8	9/16	9/16	12 1/2	8031
8731B	13/16 & 7/8	1/2	9/16 & 5/8	9/16	1/2 & 9/16	12 1/2	8731B
8033A	7/8 & 15/16	1/2	5/8	9/16 & 5/8	9/16	13 1/2	8033A
8733	7/8 & 1	1/2	5/8 & 3/4	9/16	9/16 & 5/8	13 1/2	8733
8033C	15/16 & 1	1/2	3/4	5/8	5/8	14 1/2	8033C
8034A	15/16 & 1 1/16	5/8	3/4 & 7/8	5/8 & 3/4	5/8 & 3/4	15 1/2	8034A
8735	1 1/16 & 1 1/8	5/8	7/8	3/4	3/4	17	8735
8735A	1 1/16 & 1 1/8	5/8 & 3/4	7/8	3/4 & 7/8	3/4 & 7/8	17	8735A
8037	1 1/16 & 1 1/4	5/8 & 3/4	7/8	3/4 & 7/8	3/4 & 7/8	17	8037
8037A	1 1/8 & 1 5/16	3/4	1	7/8	7/8	19	8037A
8039B	1 1/4 & 1 5/16	3/4	1	7/8	7/8	19	8039B
8039	1 1/4 & 1 7/16	3/4 & 7/8	1	7/8 & 1	7/8 & 1	19	8039
8039A	1 5/16 & 1 1/2	1	1 & 1 1/8	1	7/8 & 1	19	8039A
FOR HEAVY SERVICE—LONG PATTERN—Round Handle							
8040B	1 7/16 & 1 1/2	7/8	1 1/8	1	1	21	8040B
8041	1 7/16 & 1 5/8	7/8 & 1	1 1/8	1 & 1 1/8	1	23	8041
8742B	1 1/2 & 1 11/16	1 1/8	1 1/8 & 1 1/4	1 1/4	1 & 1 1/8	23	8742B
8045	1 13/16 & 2	1 1/8 & 1 1/4	1 1/4	1 1/4 & 1 3/8	1	25	8045
8049	2 3/16 & 2 3/8	1 3/8 & 1 1/2	1 1/2	1 1/2		27	8049
8053	2 9/16 & 2 3/4	1 5/8 & 1 3/4				30	8053
SHORT PATTERN—Different Opening in Each Head							
9723	3/8 & 7/16	1/4	3/16 & 1/4	1/4	1/4	4 1/2	9723
9725	7/16 & 1/2	1/4	1/4 & 5/16	1/4 & 5/16	1/4	5 1/2	9725
9725A	7/16 & 9/16	1/4	1/4 & 3/8	1/4 & 3/8	1/4 & 5/16	5 1/2	9725A
9725B	1/2 & 9/16	1/4	5/16 & 3/8	5/16 & 3/8	5/16	5 1/2	9725B
9025	1/2 & 19/32	1/4 & 5/16	5/16	5/16	5/16	5 1/2	9025
9727	9/16 & 5/8	3/8	3/8 & 7/16	3/8 & 7/16	5/16 & 3/8	6	9727

♦ REGISTERED TRADE MARK

FOR WHITWORTH AND METRIC SIZES SEE PAGE 76

12-POINT BOX "SUPERRENCH" SETS

Selected Alloy Steel

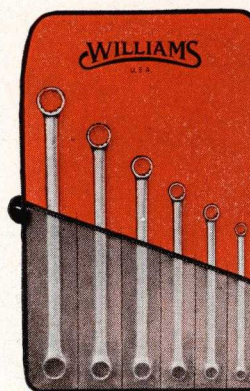


SET No. 8006

In Leatherette Roll
In Cardboard Box

CONTENTS

No.	Nominal Openings	Amer. Std. HEAVY Nut (U.S.S.)	Amer. Std. Hex Head Cap Screw	Amer. Std. LIGHT Nut (S.A.E.)	Amer. Std. REGULAR Nut	Length Approx.
8723	3/8 & 7/16		3/16 & 1/4	1/4	1/4	7-3/4
8025	1/2 & 19/32	1/4 & 5/16	5/16			8-3/4
8727	9/16 & 5/8		3/8 & 7/16	3/8 & 7/16	5/16 & 3/8	9-3/4
8029	11/16 & 25/32	3/8 & 7/16				11
8731A	3/4 & 7/8		1/2 1/2 & 5/8	1/2 & 9/16	7/16 & 9/16	12-1/2
8033C	15/16 & 1		3/4 5/8		5/8	14-1/2

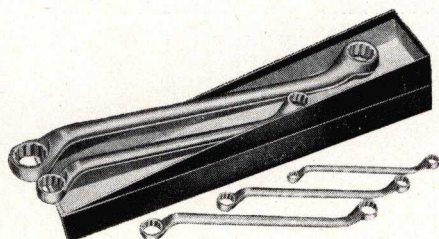


SET No. 7006

In Leatherette Roll
In Cardboard Box

CONTENTS

No.	Nominal Openings	Amer. Std. HEAVY Nut (U.S.S.)	Amer. Std. Hex Head Cap Screw	Amer. Std. LIGHT Nut (S.A.E.)	Amer. Std. REGULAR Nut	Length Approx.
7723	3/8 & 7/16		3/16 & 1/4	1/4	1/4	7-3/8
7025	1/2 & 19/32	1/4 & 5/16	5/16			8-1/4
7727	9/16 & 5/8		3/8 & 7/16	3/8 & 7/16	5/16 & 3/8	9-1/4
7029	11/16 & 25/32	3/8 & 7/16				10-1/2
7731A	3/4 & 7/8		1/2 1/2 & 5/8	1/2 & 9/16	7/16 & 9/16	12
7033C	15/16 & 1		3/4 5/8		5/8	13-3/4

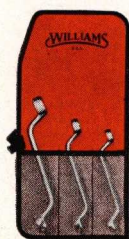


SET No. 8005A

In Cardboard Box

CONTENTS

No.	Nominal Openings	Amer. Std. HEAVY Nut (U.S.S.)	Amer. Std. Hex Head Cap Screw	Amer. Std. LIGHT Nut (S.A.E.)	Length Approx.
8025	1/2 & 19/32	1/4 & 5/16	5/16	5/16	8-3/4
8029	11/16 & 25/32	3/8 & 7/16			11
8033A	7/8 & 15/16	1/2	5/8	9/16 & 5/8	13-1/2
8037	1-1/16 & 1-1/4	5/8 & 3/4		3/4 & 7/8	17
8041	1-7/16 & 1-5/8	7/8 & 1		1 & 1-1/8	23



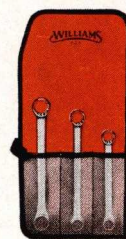
SET No. 9703

In Leatherette Roll
In Cardboard Box

CONTENTS

No.	Nominal Openings	Amer. Std. HEAVY Nut (U.S.S.)	Amer. Std. Hex Head Cap Screw	Amer. Std. LIGHT Nut (S.A.E.)	Amer. Std. REGULAR Nut	Length Approx.
9723	3/8 & 7/16		3/16 & 1/4	1/4	1/4	4-1/2
9725	7/16 & 1/2	1/4	1/4 & 5/16	1/4 & 5/16	1/4	5-1/2
9727	9/16 & 5/8		3/8 & 7/16	3/8 & 7/16	5/16 & 3/8	6

♦ REGISTERED TRADE MARK



SET No. 6703

In Leatherette Roll
In Cardboard Box

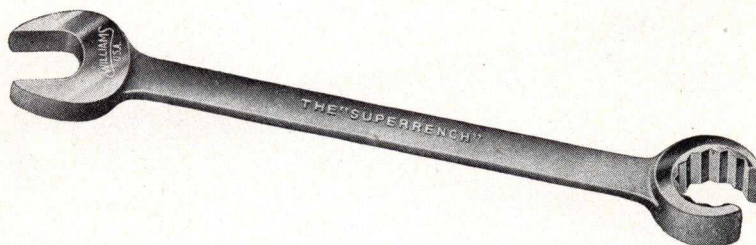
CONTENTS

No.	Nominal Openings	Amer. Std. HEAVY Nut (U.S.S.)	Amer. Std. Hex Head Cap Screw	Amer. Std. LIGHT Nut (S.A.E.)	Amer. Std. REGULAR Nut	Length Approx.
6723	3/8 & 7/16		3/16 & 1/4	1/4	1/4	4-1/2
6725	7/16 & 1/2	1/4	1/4 & 5/16	1/4 & 5/16	1/4	5-1/2
6727	9/16 & 5/8		3/8 & 7/16	3/8 & 7/16	5/16 & 3/8	6

4-49

WILLIAMS' ♦ "SUPERRENCHES" Selected Alloy Steel

FLARE NUT PATTERN



Long and slender, these "Superrenches", combine two styles of head. They are designed especially for use on the non-ferrous flare nuts and fittings found on hydraulic and pneumatic tubing assemblies such as are encountered in air conditioning, automotive, aeronautical, diesel, marine and refrigeration work. Open-box end, has a 12-point opening offset 15° from plane of handle with a tube opening slot at 22-1/2° to the axis of the handle. Thick head face is an assurance against marred fittings in final tightening.

Open end is thin, with slim jaws and opening at angle of 15°. Designed especially for holding non-ferrous union fittings found in tubing work and fast adjustment of flare nuts before final tightening. Drop-forged from Selected Alloy Steel, heat-treated and chrome-plated, heads buffed.

No.	OPEN END		OPEN-BOX END				Extreme Length, Approx.	No.
	Nominal Opening	Thickness Head	Nominal Opening	Outside Diameter	Thickness Head	Max. Tube Clearance		
1312	3/8	3/16	3/8	21/32	5/16	1/4	5 5/8	1312
1314	7/16	13/64	7/16	25/32	11/32	9/32	6	1314
1316	1/2	7/32	1/2	29/32	7/16	3/8	6 3/8	1316
1318	9/16	15/64	9/16	31/32	7/16	7/16	6 7/8	1318
1320	5/8	1/4	5/8	1 1/64	1/2	15/32	7 5/8	1320
1322	11/16	5/16	11/16	1 9/32	9/16	9/16	8 3/4	1322
1324	3/4	5/16	3/4	1 9/32	9/16	9/16	8 3/4	1324
1328	7/8	11/32	7/8	1 7/16	5/8	11/16	9 1/4	1328
1332	1	3/8	1	1 19/32	11/16	3/4	9 7/8	1332
1334	1 1/16	7/16	1 1/16	1 25/32	3/4	27/32	10 3/4	1334
1336	1 1/8	7/16	1 1/8	1 25/32	3/4	27/32	10 3/4	1336

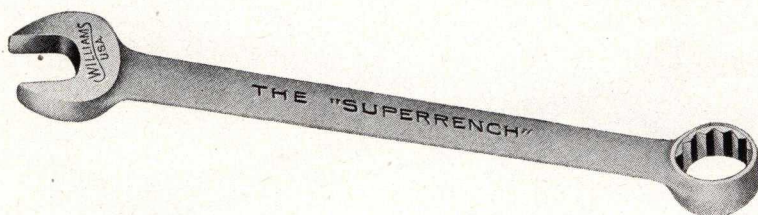
♦ REGISTERED TRADE MARK

WILLIAMS' ♦ "SUPERRENCHES"

Selected Alloy Steel

OPEN END-BOX PATTERN

For Close Quarters



These long, slender "Superrenches", combining two styles of head are designed especially for use in close quarters and tight corners.

Open end is thin, with slim jaws and opening at angle of 15°.

Box end, with 12-point opening and thin walls, is offset from plane of handle; see illustration.

Same size opening in both heads; **where one can not operate, the other will.** Each rotates hex nuts when the wrench can swing only 30°.

Drop-forged from Selected Alloy Steel, heat-treated, chrome-plated; faces of open end buffed.

Sold individually and in Sets.

No.	Nominal Openings	For Amer. Std. HEAVY Nuts (U.S.S.); Size Bolts	For Amer. Std. Hex Head Cap Screws; Diam. Screws	For Amer. Std. LIGHT Nuts (S.A.E.); Size Bolts	For Amer. Std. REGULAR Nuts; Size Bolts	Extreme Length, Approx.	No.
1159	5/16 & 5/16	1/8	1/8	.....	.....	4 3/8	1159
1159A	11/32 & 11/32	.....	.....	.....	* No. 8	4 3/8	1159A
1160	3/8 & 3/8	.....	3/16	.....	.....	5	1160
1161	7/16 & 7/16	.....	1/4	1/4	1/4	5 3/8	1161
1162	1/2 & 1/2	1/4	5/16	5/16	.....	6	1162
1163	9/16 & 9/16	.....	3/8	3/8	5/16	6 3/4	1163
1163A	19/32 & 19/32	5/16	.....	.....	.....	6 3/4	1163A
1164	5/8 & 5/8	.....	7/16	7/16	3/8	7 5/8	1164
1165	11/16 & 11/16	3/8	.....	.....	.....	8 1/2	1165
1166	3/4 & 3/4	.....	1/2	1/2	7/16	9 1/2	1166
1166A	25/32 & 25/32	7/16	.....	.....	.....	9 1/2	1166A
1167	7/8 & 7/8	1/2	5/8	9/16	9/16	10 1/2	1167
1167A	13/16 & 13/16	.....	9/16	.....	1/2	10 1/2	1167A
1168	15/16 & 15/16	.....	.....	5/8	.....	13	1168
1170	1 & 1	.....	3/4	.....	5/8	13	1170
1171	1-1/16 & 1-1/16	5/8	.....	3/4	.....	15	1171
1172	1-1/8 & 1-1/8	.....	7/8	.....	3/4	15	1172
1173	1-1/4 & 1-1/4	3/4	.....	7/8	.....	18	1173
1174	1-5/16 & 1-5/16	.....	1	.....	7/8	18	1174
1176	1-7/16 & 1-7/16	7/8	.....	1	.....	21	1176

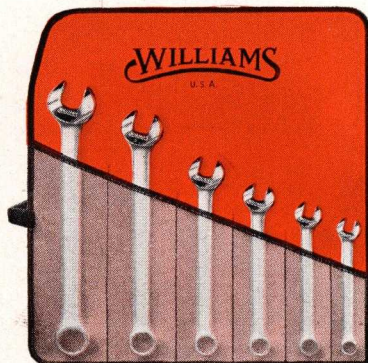
* Amer. Std. Machine-Screw and Stove-Bolt Nuts.

♦ REGISTERED TRADE MARK

4-49

WILLIAMS' "SUPERRENCH" SETS

Selected Alloy Steel

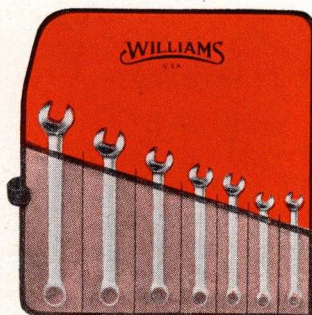


SET No. 1170S

In Leatherette Roll
In Cardboard Box

CONTENTS

No.	Nominal Openings	Amer. Std. HEAVY Nut (U.S.S.)	Amer. Std. Hex Head CapScrew	Amer. Std. LIGHT Nut (S.A.E.)	Amer. Std. REGULAR Nut	Length Approx.
1161	7/16 & 7/16		1/4	1/4	1/4	5-3/8
1162	1/2 & 1/2	1/4	5/16	5/16		6
1163	9/16 & 9/16		3/8	3/8	5/16	6-3/4
1164	5/8 & 5/8		7/16	7/16	3/8	7-5/8
1166	3/4 & 3/4		1/2	1/2	7/16	9-1/2
1167	7/8 & 7/8	1/2	5/8	9/16	9/16	10-1/2



SET No. 1173S

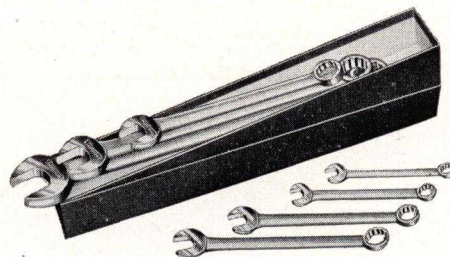
In Leatherette Roll
In Cardboard Box

CONTENTS

No.	Nominal Openings	Amer. Std. HEAVY Nut (U.S.S.)	Amer. Std. Hex Head CapScrew	Amer. Std. LIGHT Nut (S.A.E.)	Amer. Std. REGULAR Nut	Length Approx.
1159	5/16 & 5/16	1/8	1/8			4-3/8
1159A	11/32 & 11/32				*No. 8	4-3/8
1160	3/8 & 3/8		3/16			5
1161	7/16 & 7/16		1/4	1/4	1/4	5-3/8
1162	1/2 & 1/2	1/4	5/16	5/16		6
1163	9/16 & 9/16		3/8	3/8	5/16	6-3/4
1164	5/8 & 5/8		7/16	7/16	3/8	7-5/8
1166	3/4 & 3/4		1/2	1/2	7/16	9-1/2
1167	7/8 & 7/8	1/2	5/8	9/16	9/16	10-1/2
1168	15/16 & 15/16		1	1	1	13
1170	1 & 1		1 1/4	1 1/4	1 1/4	15
1171	1-1/16 & 1-1/16	5/8	7/8	3/4	3/4	15
1172	1-1/8 & 1-1/8		1 1/2	1 1/2	1 1/2	15
1173	1-1/4 & 1-1/4	3/4	1 3/4	1 3/4	1 3/4	18

* Amer. Std. Machine Screw and Stove Bolt Nuts.

♦ REGISTERED TRADE MARK

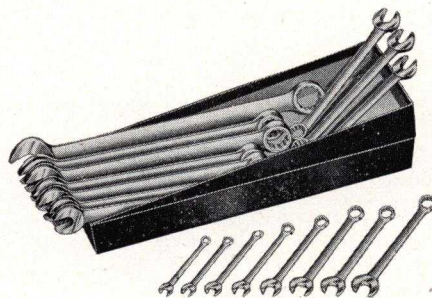


SET No. 1171S

In Cardboard Box

CONTENTS

No.	Nominal Openings	Amer. Std. HEAVY Nut (U.S.S.)	Amer. Std. Hex Head CapScrew	Amer. Std. LIGHT Nut (S.A.E.)	Amer. Std. REGULAR Nut	Length Approx.
1162	1/2 & 1/2	1/4	5/16	5/16		6
1163A	19/32 & 19/32	5/16				6-3/4
1165	11/16 & 11/16	3/8				8-1/2
1166A	25/32 & 25/32	7/16				9-1/2
1167	7/8 & 7/8	1/2	5/8	9/16	9/16	10-1/2
1171	1-1/16 & 1-1/16	5/8		3/4		15
1173	1-1/4 & 1-1/4	3/4		7/8		18



SET No. 1172S

In Cardboard Box

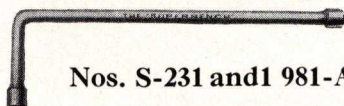
CONTENTS

No.	Nominal Openings	Amer. Std. HEAVY Nut (U.S.S.)	Amer. Std. Hex Head CapScrew	Amer. Std. LIGHT Nut (S.A.E.)	Amer. Std. REGULAR Nut	Length Approx.
1159	5/16 & 5/16	1/8	1/8			4-3/8
1159A	11/32 & 11/32				*No. 8	4-3/8
1160	3/8 & 3/8		3/16			5
1161	7/16 & 7/16		1/4	1/4	1/4	5-3/8
1162	1/2 & 1/2	1/4	5/16	5/16		6
1163	9/16 & 9/16		3/8	3/8	5/16	6-3/4
1163A	19/32 & 19/32	5/16				6-3/4
1164	5/8 & 5/8		7/16	7/16	3/8	7-5/8
1165	11/16 & 11/16	3/8				8-1/2
1166	3/4 & 3/4		1/2	1/2	7/16	9-1/2
1166A	25/32 & 25/32	7/16				9-1/2
1167	7/8 & 7/8	1/2	5/8	9/16	9/16	10-1/2
1167A	13/16 & 13/16		9/16		1/2	13
1168	15/16 & 15/16		1	1	1	13
1170	1 & 1		1 1/4	1 1/4	1 1/4	15
1171	1-1/16 & 1-1/16	5/8	7/8	3/4	3/4	15
1172	1-1/8 & 1-1/8		1 1/2	1 1/2	1 1/2	15
1173	1-1/4 & 1-1/4	3/4	1 3/4	1 3/4	1 3/4	18

WILLIAMS' SPECIAL "SUPERRENCHES" FOR FORD CARS AND TRUCKS

"SUPERRENCH" (Selected Alloy Steel)

For Ford "V-8" Connecting Rods



Nos. S-231 and 1 981-A

Length, 11-1/2" Offset, 3"

Heat-treated and Chrome-plated

Spin nuts till engaged (short arm for lever); reverse wrench and tighten (long arm for lever).

No. S-231

Hex Openings, 7/16 and 7/16". Services Ford V-8 60 H.P. motor, 1937-'40.

No. 1981-A

Hex Openings, 9/16 and 9/16". Services all Ford "6", 1941-42; all Ford and Mercury V-8 85 H.P., 90 H.P. and 100 H.P. thru 1942. Also battery ground strap nut all Ford V-8 85 H.P. motors, 1935-'36.

"SUPERRENCH" (Selected Alloy Steel)

No. 1984-X

For Adjusting Ford Brakes



7/16 and 1/2" 8-Point Openings
Length, 11-1/4" Thickness Heads, 7/16"

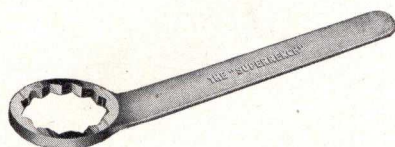
Heat-treated and Chrome-plated

The only wrench required for adjusting brakes on Ford "A", "B", all V-8, 1932-'38 cars; also Ford "AA" and all V-8 trucks.

"SUPERRENCH" (Selected Alloy Steel)

No. 1966-A

For Ford Crankcase Drain Plug



2" 12-Point Opening
Length, 11"

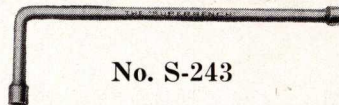
Heat-treated and Chrome-plated

Required for drain plug service on ALL 1939-'42 Ford V-8 and Mercury cars.

★ REGISTERED TRADE MARK

"SUPERRENCH" (Selected Alloy Steel)

For Ford "V-8"
60 H.P. Motor, 1937-'40, Main Bearings



No. S-243

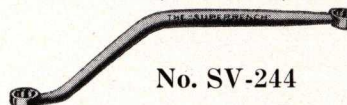
Length, 11-1/2" Offset, 3"
21/32 and 21/32" Hex Openings

Heat-treated and Chrome-plated

Specially thin design sockets for all main bearing screws.

"SUPERRENCH" (Selected Alloy Steel)

For All Ford "V-8", 1937-'42, Distributors



No. SV-244

1/2 and 1/2" 12-Point Openings
Length, 9" Offset, 2-1/4"

Heat-treated and Chrome-plated

Specially offset to clear fan-belt. A big time saver in servicing distributors on Ford "6", 1941-'42; "V-8" 1937-'42, 1946; Mercury "V-8," 1939-'42, 1946; Lincoln Zephyr, 1937-'42, 1946.

FORD CRANK RATCHET SOCKET (Selected Alloy Steel)

For All Ford Cars and Trucks 1928-'42



No. V-132

1-3/8" Hex Opening

Heat-treated and Cadmium-plated

Serves lower fan-pulley nut, necessary in dropping oil pan, without removing radiator. Designed for use with regular Ford starting crank.

For all Ford cars and trucks 1928-'37, all Ford trucks 1938-'42, 1946. Cut away for clearance.

STANDARD "SUPERSOCKET" (Selected Alloy Steel)

No. SF-1218

For Ford Cars and Trucks



1/2" Square Drive
9/16" 12-Point Opening

Heat-treated and Chrome-plated

Use with Torque Wrench required on models having "Marsden" self-locking nuts.

For all Ford 6, Ford-Mercury V-8, 85 H.P., 90 H.P. and 100 H.P. Connecting Rods.

WILLIAMS' ♦ "SUPERRENCHES" AND PLIERS

Selected Alloy Steel

FOR AUTOMOTIVE BRAKE SERVICE

"SUPERRENCH"
(*Selected Alloy Steel*)

For
Star Nut, Etc. — Bendix Hydraulic



No. 1998-B

Blade Tips, 5/64 x 15/32"

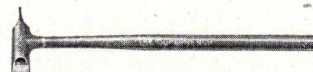
Length, 7-1/2"

Heat-treated and Chrome-plated

Specially offset to service Star Nut Eccentric, all Bendix Hydraulic.

"SUPERRENCH"
(*Selected Alloy Steel*)

For
Slotted Anchor Pins, Etc.



No. 1997

Length, 7". Blade Tips, 1/16 x 13/32"

Heat-treated and Chrome-plated

For slotted anchor pins, drag links, steering post and other jobs where regular screw drivers cannot be used. Also excellent as a glazier's tool.

WILLIAMS'
LOCK RING PLIERS
(*Selected Alloy Steel*)

For
Snap Lock Rings



No. 1515

Length, 8"

Gun metal blue handles, nose polished

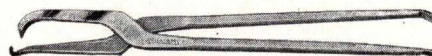
Heat-treated

Pliers are designed for spreading "Horse Shoe" snap lock rings on automotive brakes, transmissions, differentials, pulleys, etc.

♦ REGISTERED TRADE MARK

WILLIAMS'
BRAKE PLIERS
(*Selected Alloy Steel*)

For
Brake-Shoe Springs



No. 1517

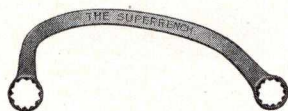
Length, 13"

Gray satin finish; head faces polished

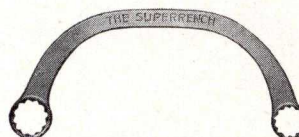
Heat-treated

For inserting and removing springs (internal). For use only on passenger cars and light and medium trucks excepting Ford "A".

For other Special "Superrenches", see following page.

WILLIAMS' SPECIAL "SUPERRENCHES"*Selected Alloy Steel***FOR STARTER AND MANIFOLD****"SUPERRENCH"***(Selected Alloy Steel)***For
Starter and Manifold Nuts****No. 1960****9/16 and 5/8" 12-Point Openings—Length, 7"****Heat-treated and Chrome-plated**

For starter and manifold nuts, ALL models
Chrysler and Dodge; DeSoto and Plymouth through
1940.

"SUPERRENCH"*(Selected Alloy Steel)***For
Starter Nuts****No. 1961****5/8 and 3/4" 12-Point Openings****Length, 7-1/2"****Heat-treated and Chrome-plated**

For starter nuts, ALL Chevrolet models, 1930-'42.

WILLIAMS' SPECIAL "SUPERSOCKET"*Selected Alloy Steel***FOR CADILLAC CONNECTING ROD****No. SC-614****1/2" Square Drive****7/16" Hex Opening****3-1/8" Long**

The Cadillac Connecting Rod Nut requires an unusually strong socket for servicing.
Made from Selected Alloy Steel, heat-treated and chrome-plated.

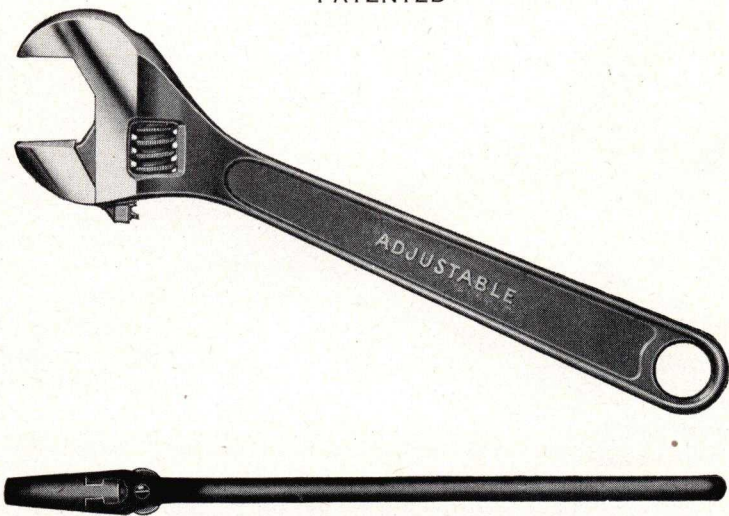
♦ REGISTERED TRADE MARK

4-49

WILLIAMS' ADJUSTABLE WRENCHES

(Carbon Steel)

PATENTED



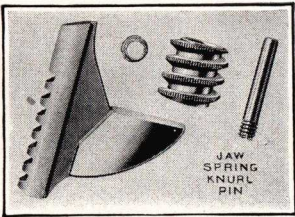
Fully Guaranteed

Williams' Carbon Adjustable Wrenches with thin, tapered jaws, are thinner and lighter than conventional carbon steel adjustable wrenches of similar capacity and possess unusual strength and toughness due to improved design and materials. They are drop-forged from the finest selected steel and accurately heat-treated.

The exclusive design of the square shoulders on the shank portion of the sliding jaw provide maximum and positive bearing against working stress. They eliminate entirely the wedging and spreading action, inevitable in wrenches having a cylindrical bearing at this point. The shoulders also permit a thicker "web" on the jaw, for added strength, without increasing the thickness of the wrench head. The net result is a sliding jaw that is unbreakable in wrench service.

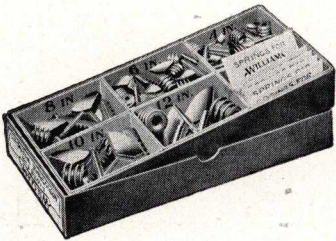
Drop-forged from specially strong, tough steel and accurately heat-treated in electric furnaces for uniform, dependable strength. Finish—shot-blasted, faces of heads polished bright. Packed, individually, in attractive cardboard box.

REPLACEMENT PARTS ASSORTMENT



Packed in compartment cardboard box containing 88 of the following parts:—

Size	Jaws	Knurls	Pins	Springs
4"	4	4	4	4
6"	6	6	6	6
8"	6	6	6	6
10"	4	4	4	4
12"	2	2	2	2

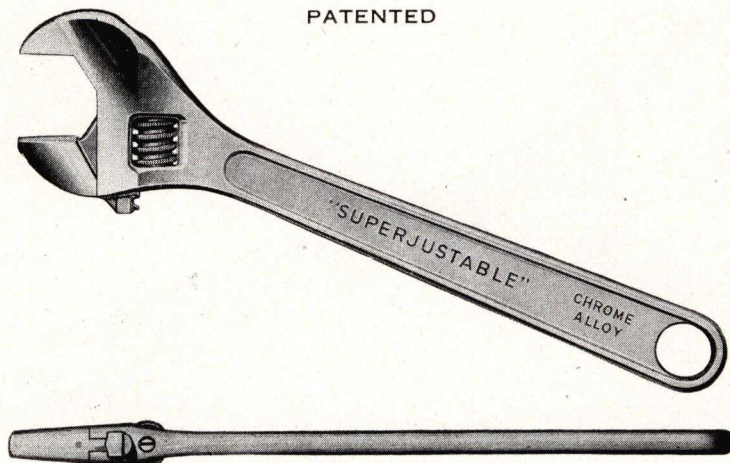


Size, Inch	Capacity	Thickness Head		Extra Parts				Size, Inch
		Tip of Jaws	Extreme	Jaw	Knurl	Pin	Spring	
4	1/2	9/64	5/16					4
6	3/4	7/32	3/8					6
8	15/16	17/64	1/2					8
10	1- 1/8	23/64	19/32					10
12	1- 5/16	15/32	23/32					12
15	1- 3/4	19/32	31/32					15
18	2- 1/16	23/32	1- 3/16					18

WILLIAMS' ♦ "SUPERJUSTABLE" WRENCHES

Selected Alloy Steel

PATENTED

*Fully Guaranteed*

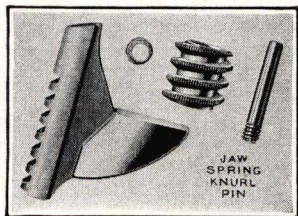
Williams' "Superjustable" Wrenches with thin, tapered jaws, are drop-forged from the finest grade of Selected Alloy Steel obtainable for the purpose. "Superjustables" are thinner and lighter, yet stronger and tougher than conventional carbon steel adjustable wrenches of similar capacity. They are second to no other alloy steel adjustable wrenches in appearance, strength and durability.

The exclusive design of the square shoulders on the shank portion of the sliding jaw provide maximum and positive bearing against working stress. They eliminate entirely the wedging and spreading action, inevitable in wrenches having a cylindrical bearing at this point. The shoulders also permit a thicker "web" on the jaw, for added strength, without increasing the thickness of the wrench head. The net result is a sliding jaw with maximum resistance to breakage.

All parts are carefully machined to extremely close limits, assuring the accurate fit essential in wrenches of this class. Heat-treatment in recording electric furnaces of the latest type insures uniformity of product and tough, dependable strength.

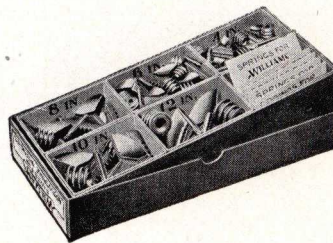
Attractively finished in chrome-plate over nickel, with highly polished face; the handle is in "satin" finish. Individually packed.

REPLACEMENT PARTS ASSORTMENT



Packed in compartment cardboard box containing 88 of the following parts:—

Size	Jaws	Knurls	Pins	Springs
4"	4	4	4	4
6"	6	6	6	6
8"	6	6	6	6
10"	4	4	4	4
12"	2	2	2	2



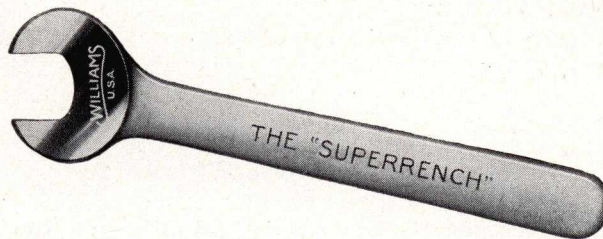
Size, Inch	Capacity	Thickness Head		Extra Parts				Size, Inch
		Tip of Jaws	Extreme	Jaw	Knurl	Pin	Spring	
4	1/2	9/64	5/16	.....	.....	.....	.....	4
6	3/4	7/32	3/8	.....	.....	.....	.....	6
8	15/16	17/64	1/2	.....	.....	.....	.....	8
10	1- 1/8	23/64	19/32	.....	.....	.....	.....	10
12	1- 5/16	15/32	23/32	.....	.....	.....	.....	12
15	1- 3/4	19/32	31/32	.....	.....	.....	.....	15
18	2- 1/16	23/32	1- 3/16	.....	.....	.....	.....	18

♦ REGISTERED TRADE MARK

4-49

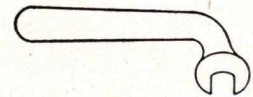
WILLIAMS' ♦ "SUPERRENCHES" Selected Alloy Steel

ENGINEERS' PATTERN — 15° Angle, Single Head



These "Superrenches" are drop-forged from Selected Alloy Steel and heat-treated.
Finish—Chrome-plate over nickel, faces bright.

Handle can be offset above head at angles of 45° to 90° from opening,
at an additional charge; see illustration at right.



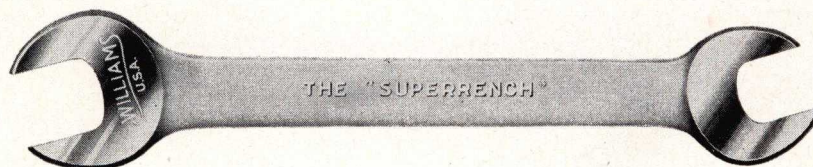
No.	Nominal Openings	For Amer. Std. HEAVY Nut (U.S.S.); Size Bolt	For Amer. Std. Hex Head Cap Screw; Diam. Screw	For Amer. Std. LIGHT Nut (S.A.E.); Size Bolt	For Amer. Std. REGULAR Nut; Size Bolt	Ex- treme Length	Thick- ness Heads	No.
1000	5/16	1/8	1/8	.....	.....	3 1/2	7/32	1000
1700	3/8	.....	3/16	.....	.....	4	1/4	1700
1000A	13/32	3/16	.....	.....	.....	4	1/4	1000A
1701	7/16	.....	1/4	1/4	1/4	4 5/8	9/32	1701
1001	1/2	1/4	5/16	5/16	.....	4 5/8	9/32	1001
1702	9/16	.....	3/8	3/8	5/16	5 1/2	5/16	1702
1002	19/32	5/16	.....	.....	.....	5 1/2	5/16	1002
1703	5/8	.....	7/16	7/16	3/8	6 3/8	11/32	1703
1003	11/16	3/8	.....	.....	.....	6 3/8	11/32	1003
1704	3/4	.....	1/2	1/2	7/16	7 1/4	3/8	1704
1004	25/32	7/16	.....	.....	.....	7 1/4	3/8	1004
1705	13/16	.....	9/16	.....	1/2	8 1/8	7/16	1705
1005	7/8	1/2	5/8	9/16	9/16	8 1/8	7/16	1005
1006A	15/16	.....	.....	5/8	.....	9 1/4	1/2	1006A
1006	31/32	9/16	.....	.....	.....	9 1/4	1/2	1006
1706	1	.....	3/4	.....	5/8	9 1/4	1/2	1706
1007	1 1/16	5/8	.....	3/4	.....	10 1/2	9/16	1007
1707	1 1/8	.....	7/8	.....	3/4	10 1/2	9/16	1707
1008	1 1/4	3/4	.....	7/8	.....	12	21/32	1008
1008A	1 5/16	.....	1	.....	7/8	12	21/32	1008A
1009	1 7/16	7/8	.....	1	.....	13 1/2	23/32	1009
1709	1 1/2	.....	1 1/8	.....	1	13 1/2	23/32	1709
1010	1 5/8	1	.....	1 1/8	.....	15	25/32	1010
1010A	1 11/16	.....	1 1/4	.....	1 1/8	15	25/32	1010A
1011	1 13/16	1 1/8	.....	1 1/4	.....	16 1/2	7/8	1011
1011A	1 7/8	.....	.....	.....	1 1/4	16 1/2	7/8	1011A
1012	2	1 1/4	.....	1 3/8	.....	18 1/4	15/16	1012
1012A	2 1/16	.....	.....	.....	1 3/8	18 1/4	15/16	1012A
1013	2 3/16	1 3/8	.....	1 1/2	.....	20	1	1013
1013A	2 1/4	.....	.....	.....	1 1/2	20	1	1013A
1014	2 3/8	1 1/2	.....	.....	.....	22	1 1/16	1014
1014A	2 7/16	.....	.....	.....	1 5/8	22	1 1/16	1014A

♦ REGISTERED TRADE MARK

WILLIAMS' ♦ "SUPERRENCHES"

Selected Alloy Steel

ENGINEERS' PATTERN — 15° Angle, Double Head



Strength and Toughness Without Bulk

These "Superrenches" are particularly serviceable in cramped quarters where clearance is limited. The jaws are long, thin and pointed but the strength is the greatest ever put in a thin wrench. Selected Alloy steel makes "Superrenches" absolutely dependable—no matter how hard the work.

The 15° angle of the opening is the most efficient that can be devised. With it a hex nut can be rotated completely where the swing of the wrench is limited to only 30°.

Finish—Chrome plate over nickel, faces bright.

Whitworth and Metric sizes, see page 76.

No.	Nominal Openings	For Amer. Std. HEAVY Nuts (U.S.S.); Size Bolts	For Amer. Std. Hex Head Cap Screws; Diam. Screws	For Amer. Std. LIGHT Nuts (S.A.E.); Size Bolts	For Amer. Std. REGULAR Nuts; Size Bolts	Ex-treme Length	Thick-ness Heads	No.
1021S	1/4 & 5/16	1/8	1/8			4 1/2	3/16	1021S
1720	5/16 & 11/32	1/8	1/8			4 1/2	3/16	1720
1721	5/16 & 3/8	1/8	1/8 & 3/16			4 1/2	3/16	1721
1723	3/8 & 7/16		3/16 & 1/4	1/4	1/4	4 7/8	13/64	1723
1725	7/16 & 1/2	1/4	1/4 & 5/16	1/4 & 5/16	1/4	5 5/8	15/64	1725
1725A	7/16 & 9/16		1/4 & 3/8	1/4 & 3/8	1/4 & 5/16	5 5/8	15/64	1725A
1725B	1/2 & 9/16	1/4	5/16 & 3/8	5/16 & 3/8	5/16	6 1/8	1/4	1725B
1025	1/2 & 19/32	1/4 & 5/16	5/16	5/16		6 1/8	1/4	1025
1727	9/16 & 5/8		3/8 & 7/16	3/8 & 7/16	5/16 & 3/8	6 5/8	17/64	1727
1027	19/32 & 11/16	5/16 & 3/8				7 1/4	9/32	1027
1027B	5/8 & 11/16	3/8	7/16	7/16	3/8	7 1/4	9/32	1027B
1028	19/32 & 25/32	5/16 & 7/16				7 7/8	19/64	1028
1729	5/8 & 3/4		7/16 & 1/2	7/16 & 1/2	3/8 & 7/16	7 7/8	19/64	1729
1029B	11/16 & 3/4	3/8	1/2	1/2	7/16	8 1/2	5/16	1029B
1029	11/16 & 25/32	3/8 & 7/16				8 1/2	5/16	1029
1029C	11/16 & 13/16	3/8	9/16	1/2	1/2	8 1/2	5/16	1029C
1731	3/4 & 13/16		1/2 & 9/16	1/2	7/16 & 1/2	9 1/4	11/32	1731
1731A	3/4 & 7/8	1/2	1/2 & 5/8	1/2 & 9/16	7/16 & 9/16	9 1/4	11/32	1731A
1031B	25/32 & 13/16	7/16	9/16		1/2	9 1/4	11/32	1031B
1031	25/32 & 7/8	7/16 & 1/2	5/8	9/16	9/16	9 1/4	11/32	1031
1731B	13/16 & 7/8	1/2	9/16 & 5/8	9/16	1/2 & 9/16	9 1/4	11/32	1731B
1032B	13/16 & 15/16		9/16	5/8	1/2	10	3/8	1032B
1033A	7/8 & 15/16	1/2	5/8	9/16 & 5/8	9/16	10	3/8	1033A
1733	7/8 & 1	1/2	5/8 & 3/4	9/16	9/16 & 5/8	10 7/8	13/32	1733
1033C	15/16 & 1		3/4	5/8	5/8	10 7/8	13/32	1033C
1034	7/8 & 1 1/16	1/2 & 5/8	5/8	9/16 & 3/4	9/16	11 3/4	7/16	1034
1034A	15/16 & 1 1/16	5/8		5/8 & 3/4		11 3/4	7/16	1034A
1735	1 & 1 1/8		3/4 & 7/8		5/8 & 3/4	12 3/4	1/2	1735
1036B	1 1/16 & 1 1/8	5/8	7/8	3/4	3/4	12 3/4	1/2	1036B
1037	1 1/16 & 1 1/4	5/8 & 3/4		3/4 & 7/8		12 3/4	1/2	1037
1737	1 1/8 & 1 1/4	3/4	7/8	7/8	3/4	12 3/4	1/2	1737
1037A	1 1/8 & 1 5/16		7/8 & 1		3/4 & 7/8	12 3/4	1/2	1037A
1039B	1 1/4 & 1 5/16	3/4	1	7/8	7/8	14	9/16	1039B
1039	1 1/4 & 1 7/16	3/4 & 7/8		7/8 & 1		14	9/16	1039
1039A	1 5/16 & 1 1/2		1 & 1 1/8		7/8 & 1	14	9/16	1039A
1039C	1 3/8 & 1 7/16	7/8		1		14	9/16	1039C
1041	1 7/16 & 1 5/8	7/8 & 1		1 & 1 1/8		15 3/4	3/4	1041
1041B	1 1/2 & 1 5/8	1	1 1/8	1 1/8	1	15 3/4	3/4	1041B

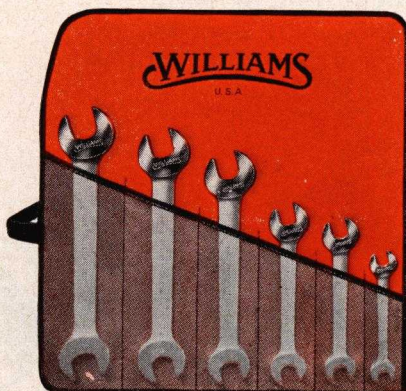
♦ REGISTERED TRADE MARK

FOR WHITWORTH AND METRIC SIZES SEE PAGE 76.

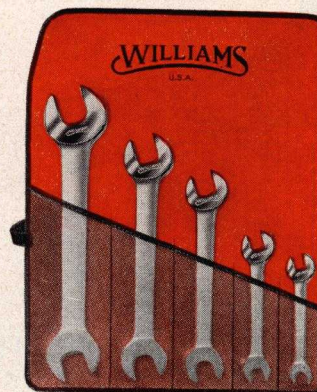
4-49

WILLIAMS' "SUPERRENCH" SETS

Selected Alloy Steel



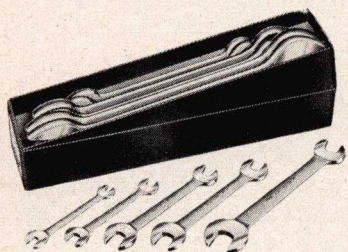
SET No. 1025A



SET No. 1005S

No.	Nominal Openings	Amer. Std. HEAVY Nuts (U.S.S.); Size Bolts	Amer. Std. Hex Head Cap Screws; Diam. Screws	Amer. Std. LIGHT Nuts (S.A.E.); Size Bolts	Amer. Std. REGULAR Nuts; Size Bolts	No.
SET No. 1025A — Complete, In Leatherette Roll In Cardboard Box						
1723	3/8 & 7/16		3/16 & 1/4	1/4	1/4	1723
1025	1/2 & 19/32	1/4 & 5/16	5/16	5/16		1025
1727	9/16 & 5/8		3/8 & 7/16	3/8 & 7/16	5/16 & 3/8	1727
1029	11/16 & 25/32	3/8 & 7/16				1029
1731A	3/4 & 7/8	1/2	1/2 & 5/8	1/2 & 9/16	7/16 & 9/16	1731A
1033C	15/16 & 1		3/4	5/8	5/8	1033C

SET No. 1005S — Complete, In Leatherette Roll In Cardboard Box						
1725	7/16 & 1/2	1/4	1/4 & 5/16	1/4 & 5/16	1/4	1725
1727	9/16 & 5/8		3/8 & 7/16	3/8 & 7/16	5/16 & 3/8	1727
1731A	3/4 & 7/8	1/2	1/2 & 5/8	1/2 & 9/16	7/16 & 9/16	1731A
1033C	15/16 & 1		3/4	5/8	5/8	1033C
1037	1 1/16 & 1 1/4	5/8 & 3/4		3/4 & 7/8		1037



SET No. 1712A

Complete, In Cardboard Box

11 Wrenches, 22 Different Openings

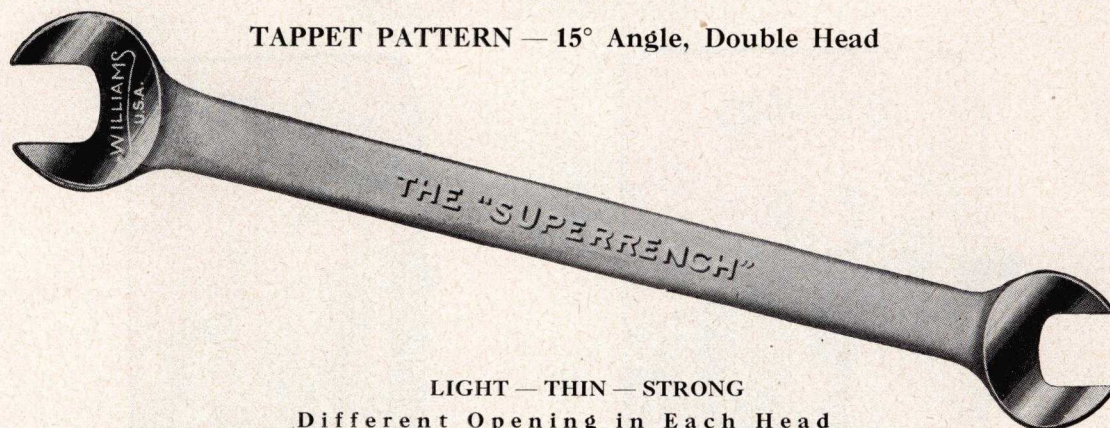
No.	Nominal Openings	Amer. Std. HEAVY Nuts (U.S.S.); Size Bolts	Amer. Std. Hex Head Cap Screws; Diam. Screws	Amer. Std. LIGHT Nuts (S.A.E.); Size Bolts	Amer. Std. REGULAR Nuts; Size Bolts	No.
1021S	1/4 & 5/16	1/8	1/8			1021S
1723	3/8 & 7/16		3/16 & 1/4	1/4	1/4	1723
1025	1/2 & 19/32	1/4 & 5/16	5/16	5/16		1025
1727	9/16 & 5/8		3/8 & 7/16	3/8 & 7/16	5/16 & 3/8	1727
1029	11/16 & 25/32	3/8 & 7/16				1029
1731	3/4 & 13/16		1/2 & 9/16	1/2	7/16 & 1/2	1731
1033A	7/8 & 15/16	1/2	5/8	9/16 & 5/8	9/16	1033A
1735	1 & 1 1/8		3/4 & 7/8		5/8 & 3/4	1735
1037	1 1/16 & 1 1/4	5/8 & 3/4		3/4 & 7/8		1037
1039A	1 5/16 & 1 1/2	1 & 1 1/8		7/8 & 1		1039A
1039C	1 3/8 & 1 7/16	7/8		1		1039C

♦ REGISTERED TRADE MARK

WILLIAMS' ♦ "SUPERRENCHES"

Selected Alloy Steel

TAPPET PATTERN — 15° Angle, Double Head



LIGHT — THIN — STRONG

Different Opening in Each Head

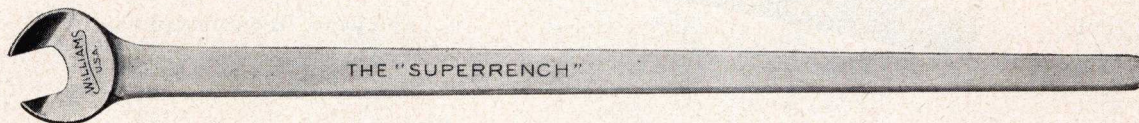
These light, thin Wrenches are specially designed for tappet adjustment; their length is ample to prevent burning the hands when the motor is hot.

The 15° angle of opening is unequalled in efficiency. It makes the same size opening in both heads of the wrench unnecessary. Consequently *each* "Superrench" serves *two* sizes of tappets.

Drop-forged from special Selected Alloy Steel, heat-treated, chrome-finished, heads buffed bright.

No.	Nominal Openings Tappet Sizes	For Amer. Std. HEAVY Nut (U.S.S.); Size Bolt	For Amer. Std. Hex Head Cap Screw; Diam. Screw	For Amer. Std. LIGHT Nut (S.A.E.); Size Bolt	For Amer. Std. REGULAR Nut; Size Bolt	Ex- treme Length	Thick- ness Heads	No.
1090A	3/8 & 7/16	.....	3/16 & 1/4	1/4	1/4	8	5/32	1090A
1090	7/16 & 1/2	1/4	1/4 & 5/16	1/4 & 5/16	1/4	8	5/32	1090
1090G	7/16 & 17/32	.....	1/4	1/4	1/4	8	5/32	1090G
1090D	1/2 & 9/16	1/4	5/16 & 3/8	5/16 & 3/8	5/16	8	5/32	1090D
1092	9/16 & 5/8	.....	3/8 & 7/16	3/8 & 7/16	5/16 & 3/8	8	3/16	1092
1092F	5/8 & 11/16	3/8	7/16	7/16	3/8	8	3/16	1092F
1094G	3/4 & 13/16	.....	1/2 & 9/16	1/2	7/16 & 1/2	9	7/32	1094G
1094	3/4 & 7/8	1/2	1/2 & 5/8	1/2 & 9/16	7/16 & 9/16	9	7/32	1094
1096	15/16 & 1	.....	3/4	5/8	5/8	9	7/32	1096

EXTRA LONG, THIN TAPPET PATTERN — 15° ANGLE



All auto mechanics will want these extra long (12-1/2") Tappet Wrenches for convenient reach over hot manifolds. Slender and light for easy adjustment, with narrow jaws for close places. The range of openings—3/8 to 5/8"—provides comprehensive service for practically every make of car, including late models.

Sold individually and in sets.

Drop-forged from special Selected Alloy Steel, and heat-treated for maximum strength. Cadmium-plated.

No.	Nominal Openings	Amer. Std. Hex Head Cap Screws	Amer. Std. LIGHT Nut (S.A.E.);	Amer. Std. REGULAR Nut	No.
A100C	3/8	3/16	.....	.....	A100C
A100	7/16	1/4	1/4	1/4	A100
A100A	1/2	5/16	5/16	5/16	A100A
A100B	9/16	3/8	3/8	3/8	A100B
A101	5/8	7/16	7/16	7/16	A101

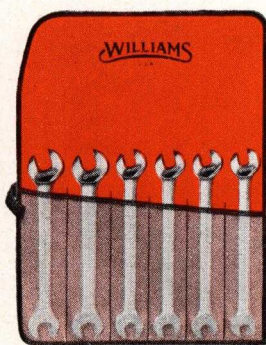
WILLIAMS' TAPPET + "SUPERRENCHES"

*Selected Alloy Steel***"SUPERRENCH" TAPPET SETS****15° Angle, Double Head**

These light, thin Wrenches are specially designed for tappet adjustment; their length is ample to prevent burning the hands when the motor is hot.

The 15° angle of opening is unequalled in efficiency. It makes the same size opening in both heads of the wrench unnecessary. Consequently *each* "Superrench" serves *two* sizes of tappets.

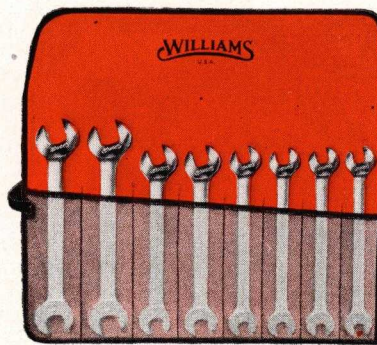
Drop-forged from special Selected Alloy Steel, heat-treated, chrome-finished, heads buffed bright.



SET No. 1032

In Leatherette Roll
In Cardboard Box

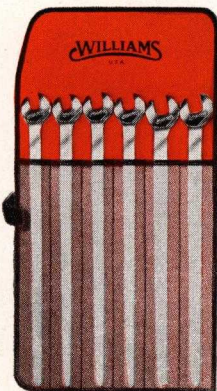
Six "Superrenches"; 2 each of Nos. 1090, 1090D and 1092F, described on page 58, covering every tappet size from 7/16 in. to 11/16 in. Care for 80% of all passenger cars, buses and trucks.



SET No. 1042

In Leatherette Roll
In Cardboard Box

Eight "Superrenches"; 2 each of Nos. 1090, 1090D, 1092F and 1094, described on page 58, provide comprehensive service for tappet adjustment. Cover practically all passenger cars, buses and trucks. An ideal set for the automobile mechanic.



Set No. 106

"SUPERRENCH" TAPPET SETS**15° Angle, Single Head**

SET No. 106

In Leatherette Roll
In Cardboard Box

6 wrenches; 2 each of
Nos. A100A, A100B
and
A101, described on page 58.

SET No. 108

In Leatherette Roll
In Cardboard Box

8 wrenches; 2 each of
Nos. A100, A100A, A100B
and
A101, described on page 58.



Set No. 108

See Opposite Page for Individual Wrench Opening and Bolt Size Tabulation

♦ REGISTERED TRADE MARK

WILLIAMS' TAPPET-“SUPERRENCHES”

Selected Alloy Steel

Single and Double Head Patterns

SERVICE CHART FOR 1935 TO 1947 CARS

Wrenches illustrated and described, pages 58 and 59

Make of Car	All Models	Double Head Wrenches	Single Head Wrenches
Auburn.....	1935-'37	2 No. 1090D, 1 No. 1092F	None
Austin.....	1935	3 No. 1090	1 No. A100, 2 No. A100A
Buick.....	1935-'42, '46-'47	1 No. 1090D with Screw Driver	1 No. A100B with Screw Driver
Cadillac.....	1935-'38	1 No. 1090D with Screw Driver	1 No. A100B with Screw Driver
Chevrolet.....	1935-'42, '46-'47	1 No. 1092F “ “ “	1 No. A101 “ “ “
Chrysler.....	1935-'36	3 No. 1090D	3 No. A100A
“.....	1937-'42, '46-'47	2 No. 1090	1 No. A100, 1 No. A100A
DeSoto.....	1935-'36	3 No. 1090D	None
“.....	1937-'42, '46-'47	2 No. 1090	1 No. A100, 1 No. A100A
Dodge.....	1935-'40	3 No. 1090D	3 No. A100A
“.....	1941-'42, '46-'47	2 No. 1090	1 No. A100, 1 No. A100A
Dusenbergl.....	1935-'36	2 No. 1090D, 1 No. 1092F	2 No. A100A, 1 No. A101
Frazer.....	1947	1 No. 1092, 2 No. 1094	None
Graham-Paige.....	1935-'41	3 No. 1090D	1 No. A100A, 2 No. A100B
Hudson.....	1935-'42, '46-'47	2 No. 1090D	2 No. A100A
Hupmobile—8.....	1935-'36	3 No. 1090D	None
“—6 and 8.....	1938-'39	3 No. 1090D	3 No. A100A
Kaiser.....	1947	1 No. 1092, 2 No. 1094	None
Lafayette (Nash).....	1935	3 No. 1090D	3 No. A100A
“.....	1936-'37	3 No. 1090D	None
LaSalle.....	1935-'38	1 No. 1090D with Screw Driver	1 No. A100B with Screw Driver
Lincoln.....	1935-'37	3 No. 1090D	3 No. A100A
“Zephyr.....	1936-'37	3 No. 1090D	3 No. A100A
Nash 600.....	1941-'42, '46-'47	2 No. 1090	1 No. A100, 1 No. A100A
“All other 6 and 8.....	1935-'42, '46-'47	1 No. 1090D with Screw Driver	1 No. A100B with Screw Driver
Oldsmobile.....	1935-'39	3 No. 1090D	3 No. A100A
“.....	1940-'42, '46-'47	2 No. 1090	1 No. A100, 1 No. A100A
Overland.....	1939	3 No. 1090D	3 No. A100A
Packard.....	1935-'40	3 No. 1090D	3 No. A100A
“.....	1941-'42, '46-'47	2 No. 1090	1 No. A100, 1 No. A100A
Pierce-Arrow.....	1935-'37	2 No. 1090D, 1 No. 1092F	2 No. A100A, 1 No. A101
Plymouth.....	1935-'40	3 No. 1090D	3 No. A100A
“.....	1941-'42, '46-'47	2 No. 1090	1 No. A100, 1 No. A100A
Pontiac.....	1935-'42, '46-'47	3 No. 1090D	3 No. A100B
Reo.....	1935-'36	3 No. 1090D	3 No. A100A
Studebaker—Dictator.....	1935-'38	2 No. 1090D, 1 No. 1092F	2 No. A100A, 1 No. A101
“—Comm., Pres.....	1934-'38 '47	2 No. 1090D, 1 No. 1092F	2 No. A100A, 1 No. A101
“—Above Models.....	1939-'42	3 No. 1090D	1 No. A100A, 2 No. A100B
“—Champion.....	1941-'42, '46-'47	2 No. 1090D	2 No. A100A
Stutz.....	1935-'36	2 No. 1090D, 1 No. 1092F	2 No. A100A, 1 No. A101
Terraplane (Hudson).....	1935-'39	2 No. 1090D, 1 No. 1092F	2 No. A100A, 1 No. A101
Willys—Overland.....	1935-'40	3 No. 1090	1 No. A100, 2 No. A100A
“.....	1941-'42	3 No. 1090D	3 No. A100A
“Jeep.....	1946-'47	1 No. 1090, 1 No. 1092F	1 No. A100A, 1 No. A101

WILLIAMS' MIDGET "SUPERRENCHES" Selected Alloy Steel

OPEN END PATTERN



Midget "Superrenches" are unusually thin and slim, but surprisingly tough and strong. On magnetos, generators, wiring-connections, carburetors, radios, all delicate adjustments and in the closest quarters, these wrenches are invaluable. Available in the two styles illustrated—forged from Selected Alloy Steel, heat-treated, chrome-plate over nickel, faces bright.

No.	Nominal Openings	Extreme Length	Thickness Heads	No.
15° ANGLE OPENING				
1106	13/64 & 7/32	3	3/32	1106
1107	15/64 & 1/4	3	3/32	1107
1108	9/32 & 11/32	3-1/2	1/8	1108
1108A	1/4 & 5/16	3-1/2	1/8	1108A
1109	5/16 & 3/8	3-1/2	1/8	1109
15-75° ANGLE OPENING				
1112	3/16 & 3/16	3	3/32	1112
1113	13/64 & 13/64			1113
1114	7/32 & 7/32			1114
1115	15/64 & 15/64			1115
1116	1/4 & 1/4			1116
1118	9/32 & 9/32	3-3/4	1/8	1118
1120	5/16 & 5/16			1120
1122	11/32 & 11/32			1122
1124	3/8 & 3/8			1124
1128	7/16 & 7/16	4-1/2	5/32	1128
1132	1/2 & 1/2			1132

6-POINT BOX MIDGET PATTERN

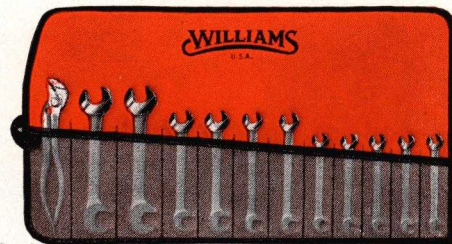


Midget Double Offset Box "Superrenches" are ideal for carburetor, electrical and ignition work. Offset design clears small obstructions where working space is limited. Selected Alloy Steel, heat-treated, chrome-plate over nickel, heads bright.

Fully Guaranteed

No.	Nominal Openings	Extreme Length	No.
1150	13/64 & 3/16	2 7/8	1150
1151	15/64 & 7/32	3 1/8	1151
1152	9/32 & 1/4	3 3/8	1152
1153	11/32 & 5/16	3 3/4	1153

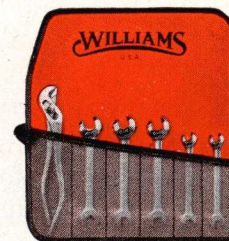
♦ REGISTERED TRADE MARK



SET No. 1141P

In Leatherette Roll
In Cardboard Box

Contains 11 Midget "Superrenches" Nos. 1112, 1113, 1114, 1115, 1116, 1118, 1120, 1122, 1124, 1128, 1132 and 1519 Midget "Superplier".



SET No. 1149P

With 1519 "Superplier"
In Leatherette Roll
In Cardboard Box

SET No. 1149

Without 1519 "Superplier"
In Leatherette Roll
In Cardboard Box

Handy assortment of 5 Midget "Superrenches" Nos. 1106, 1107, 1108, 1108A, 1109 and 1519 "Superplier".



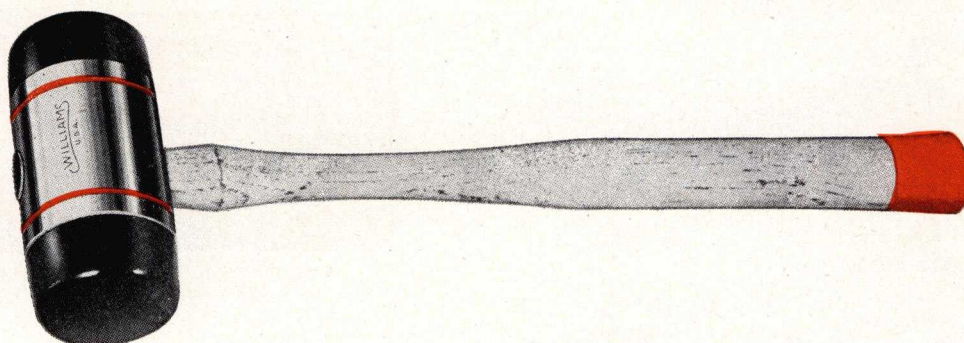
SET No. 1154S

In Leatherette Roll
In Cardboard Box

Contains 4 Midget Box "Superrenches" Nos. 1150, 1151, 1152 and 1153.

WILLIAMS' SOFT-FACE HAMMERS

With "Nuplaxflex" and Nylon Interchangeable Tips



Williams' Soft-Face Hammers are available with "Nuplaxflex", an amazing slow-resiliency, self-healing material, and Nylon interchangeable tips. "Nuplaxflex" is highly resistant to oil, gasoline, common industrial solvents and acids. It is non-explosive and electrically non-conductive.

Williams' Soft-Face Hammers equipped with "Nuplaxflex" tips are safety tools which minimize the danger of fire, explosion and flying particles. They produce maximum impact with minimum effort—no sting or vibration and minimize marring or damage to painted, polished or plated surfaces. "Nuplaxflex" is available in three hardness—soft, medium and tough—making it more versatile than conventional type soft face hammers.

"Nuplok" (Pat. Pending) tip locking device is used throughout. All hammers have selected hickory handles. Series 100, 150, 200, 250 and 300 have die-cast aluminum alloy heads with bright finish. Series 105, 155, 205, 207, 255 and 305 have die-cast zinc-alloy heads with bright finish.

SOFT-FACE HAMMERS COMPLETE WITH TIPS

No.	Head Diameter Inches	Head Length, Inches	Handle Length, Inches	Weight	Kind of Tip	Minimum Quantity Package
100-1	1	3-1/2	11-3/8	5 oz.	Soft	6
100-2	1	3-1/2	11-3/8	5 oz.	Medium	6
100-3	1	3-1/2	11-3/8	5 oz.	Tough	6
100-4	1	3-1/2	11-3/8	5 oz.	Nylon	6
105-1	1	3-1/2	11-3/8	8 oz.	Soft	6
105-2	1	3-1/2	11-3/8	8 oz.	Medium	6
105-3	1	3-1/2	11-3/8	8 oz.	Tough	6
105-4	1	3-1/2	11-3/8	8 oz.	Nylon	6
150-1	1-1/2	4-3/8	13	3/4 lb.	Soft	6
150-2	1-1/2	4-3/8	13	3/4 lb.	Medium	6
150-3	1-1/2	4-3/8	13	3/4 lb.	Tough	6
150-4	1-1/2	4-3/8	13	3/4 lb.	Nylon	6
155-1	1-1/2	4-3/8	13	1-1/4 lb.	Soft	6
155-2	1-1/2	4-3/8	13	1-1/4 lb.	Medium	6
155-3	1-1/2	4-3/8	13	1-1/4 lb.	Tough	6
155-4	1-1/2	4-3/8	13	1-1/4 lb.	Nylon	6
200-1	2	5	13	1-1/4 lb.	Soft	6
200-2	2	5	13	1-1/4 lb.	Medium	6
200-3	2	5	13	1-1/4 lb.	Tough	6
200-4	2	5	13	1-1/4 lb.	Nylon	6
205-1	2	5	13	2 lb.	Soft	6
205-2	2	5	13	2 lb.	Medium	6
205-3	2	5	13	2 lb.	Tough	6
205-4	2	5	13	2 lb.	Nylon	6
207-1	2	6-3/8	15	3 lb.	Soft	4
207-2	2	6-3/8	15	3 lb.	Medium	4
207-3	2	6-3/8	15	3 lb.	Tough	4
207-4	2	6-3/8	15	3 lb.	Nylon	4

4-49

WILLIAMS' SOFT-FACE HAMMERS

With "Nuplaflex" and Nylon Interchangeable Tips



SOFT-FACE HAMMERS COMPLETE WITH TIPS — (Continued)

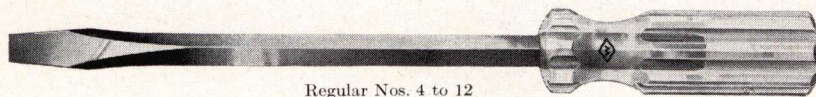
No.	Head Diameter Inches	Head Length, Inches	Handle Length, Inches	Weight	Kind of Tip	Minimum Quantity Package
250-1	2-1/2	6-1/4	15	2 lb.	Soft	4
250-2	2-1/2	6-1/4	15	2 lb.	Medium	4
250-3	2-1/2	6-1/4	15	2 lb.	Tough	4
250-4	2-1/2	6-1/4	15	2 lb.	Nylon	4
255-1	2-1/2	6-1/4	13	4 lb.	Soft	4
255-2	2-1/2	6-1/4	13	4 lb.	Medium	4
255-3	2-1/2	6-1/4	13	4 lb.	Tough	4
255-4	2-1/2	6-1/4	13	4 lb.	Nylon	4
300-1	3	7	14	3-1/2 lb.	Soft	2
300-2	3	7	14	3-1/2 lb.	Medium	2
300-3	3	7	14	3-1/2 lb.	Tough	2
300-4	3	7	14	3-1/2 lb.	Nylon	2
305-1	3	7	14	6 lb.	Soft	2
305-2	3	7	14	6 lb.	Medium	2
305-3	3	7	14	6 lb.	Tough	2
305-4	3	7	14	6 lb.	Nylon	2
*307-2	3	7-7/8	28	9 lb.	Medium	1
*307-3	3	7-7/8	28	9 lb.	Tough	1
*307-4	3	7-7/8	28	9 lb.	Nylon	1
*308-2	3	9	36	12 lb.	Medium	1
*308-3	3	9	36	12 lb.	Tough	1
*308-4	3	9	36	12 lb.	Nylon	1

EXTRA "NUPLAFLEX" AND NYLON TIPS

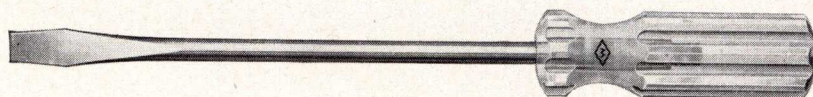
No.	Head Diam. Inches	Kind of Tip	Minimum Quantity Pkg.	No.	Head Diam. Inches	Kind of Tip	Minimum Quantity Pkg.
10-1	1	Soft	12	20-3	2	Tough	4
10-2	1	Medium	12	20-4	2	Nylon	4
10-3	1	Tough	12				
10-4	1	Nylon	12				
15-1	1-1/2	Soft	6	25-1	2-1/2	Soft	2
15-2	1-1/2	Medium	6	25-2	2-1/2	Medium	2
15-3	1-1/2	Tough	6	25-3	2-1/2	Tough	2
15-4	1-1/2	Nylon	6	25-4	2-1/2	Nylon	2
20-1	2	Soft	4	30-1	3	Soft	2
20-2	2	Medium	4	30-2	3	Medium	2
				30-3	3	Tough	2
				30-4	3	Nylon	2

* Head made of steel with rust proof black finish.

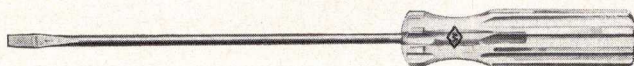
WILLIAMS' SCREW DRIVERS



Regular Nos. 4 to 12



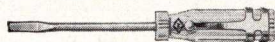
Regular Nos. 24 to 32



Electricians' No. 43 to 50



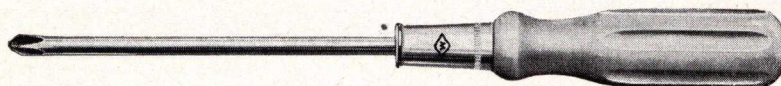
Regular Stubby No. 62



Pocket No. 52



Phillips Stubby No. WP-62



Phillips Nos. WP-1 to WP-4

Williams' Regular, Electricians', Pocket and Stubby (adjusting) Screw Drivers are all fitted with handles of a tough transparent composition, an insulator of electricity. Fluted for sure, comfortable grip. The blades, hardened and tempered throughout their entire length, are solidly anchored in the handles.

Regular patterns are available with either square or round blades. Electricians' have round blades and the Stubby a square blade. The Pocket has round blade and is fitted with pocket clip, as illustrated.

FOR PHILLIPS SCREWS

Williams' Screw Drivers, Nos. WP-1 to WP-4, will fit the entire range of Phillips recessed-head screws. These, and the Phillips Stubby (adjusting), Screw Driver have round Selected Alloy Steel blades, hardened and tempered, that are securely anchored in superior hard wood, fluted handles.

All Screw Drivers packed 6 in cardboard box, excepting No. 52, 12 per box.

REGULAR—SQUARE BLADE—COMPOSITION HANDLE

No.	Blade Length	Stock Size	Tip Width
4	4	1/4	5/16
6	6	5/16	5/16
6B	6	3/8	3/8
8	8	3/8	3/8
12	12	3/8	3/8

REGULAR—ROUND BLADE—COMPOSITION HANDLE

24	4	1/4	1/4
26	6	5/16	5/16
28	8	3/8	3/8
32	12	3/8	3/8

ELECTRICIANS'—Round Blade—Composition Handle

43	3	3/16	3/16
46	6	3/16	3/16
50	10	3/16	3/16

POCKET (with Clip)—Round Blade—Composition Handle

52	2-1/4	1/8	1/8
----	-------	-----	-----

REGULAR STUBBY (Adjusting)—Composition Handle

62	1-1/2	1/4	5/16
----	-------	-----	------

PHILLIPS—Wood Handle

No.	Fits Screws No.	Blade Length	Stock Size
WP-1	4 and Smaller	3	9/64
WP-2	5 to 9 incl.	4	1/4
WP-3	10 to 16 incl.	6	5/16
WP-4	18 and larger	8	3/8

PHILLIPS STUBBY (Adjusting)—WOOD HANDLE

WP-62	5 to 9 incl.	1-1/2	1/4
-------	--------------	-------	-----

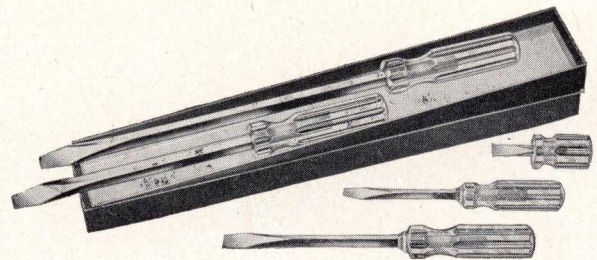
WILLIAMS' SCREW DRIVER SETS

SET No. 1-D

Complete in Cardboard Box
Weight, 2 lbs.

CONTENTS

1 each Nos. 4, 6, 8, 12 and 62 Regular Williams' Screw Drivers with square blades and composition handles.

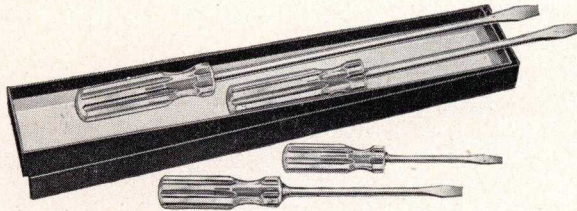


SET No. 2-D

Complete in Cardboard Box
Weight, 1-5/8 lbs.

CONTENTS

1 Each Nos. 24, 26, 28 and 32 Regular Williams' Screw Drivers with round blades and composition handles.

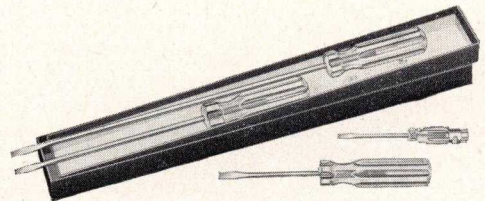


SET No. 3-D

Complete in Cardboard Box
Weight, 1/2 lb.

CONTENTS

1 each Nos. 43, 46, 50 and 52 Williams' Electricians' Screw Drivers with composition handles.

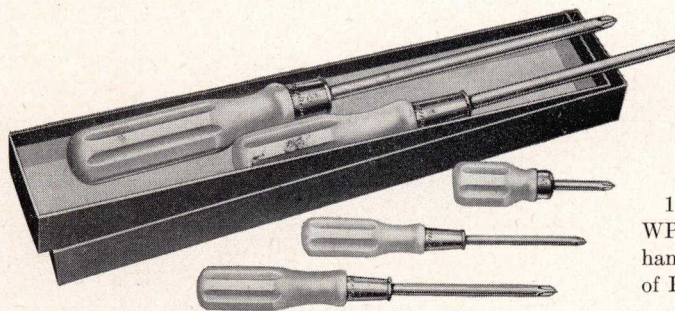


SET No. WP-5

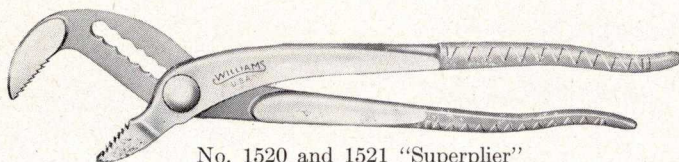
Complete in Cardboard Box
Weight, 1-1/8 lbs.

CONTENTS

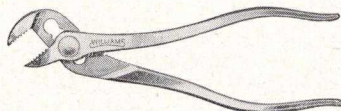
1 each Nos. WP-1, WP-2, WP-3, WP-4 and WP-62 Phillips Screw Drivers with hard wood handles. This combination covers the entire range of Phillips Screws.



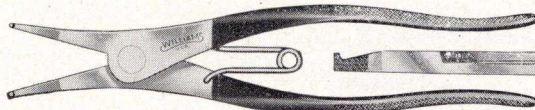
WILLIAMS' PLIERS



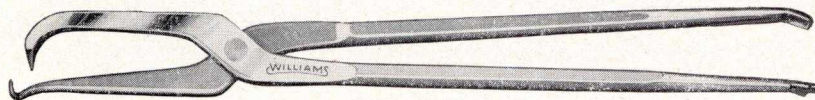
No. 1520 and 1521 "Superplier"



No. 1519 "Superplier"



No. 1515



No. 1517

"SUPERPLIERS"

(Slip-Joint)

These "Superpliers" have thin, narrow jaws for use in extremely close places and are drop-forged from tough Selected Alloy Steel. The bolt provides the greatest strength and rigidity possible in thin, slip-joint construction.

Midget No. 1519, 4-position joint opens 0 to 9/16", with jaws parallel at the most important openings. Efficient for wiring, panel, switchboard, radio, and other delicate work. Cadmium-plated.

Standard No. 1520 is long and slim; 8-position joint opens 0 to 2". Diamond embossed handles provide firm hand grip. Gray satin finish, faces polished.

Heavy Duty No. 1521, 7-position slip-joint opens 0 to 2". Heavy Duty construction makes this plier particularly useful in plumbing and electrical trades. Diamond embossed handles provide firm hand grip. Gray satin finish, faces polished.

No.	Length
1519	4-1/2
1520	9-1/2
1521	10

LOCK RING PLIERS

For Snap Lock Rings

Pliers are designed for spreading "Horse Shoe" snap lock rings on automotive brakes, transmissions, differentials, pulleys, etc. Finish, gun metal blue handles with polished nose.

No.	Length
1515	8

BRAKE PLIERS

For inserting and removing springs (internal)

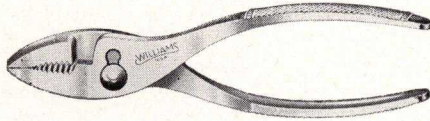
For use only on passenger cars, light and medium trucks excepting Ford "A". Gray satin finish; head faces polished.

No.	Length
1517	13

11-49

WILLIAMS' PLIERS

COMBINATION SLIP-JOINT PLIERS



These Combination Pliers, with 2 position slip-joints, are very efficient for general service. All are sturdy, well designed tools. Drop-forged from selected steel, with knurled handles; polished and nickel-plated.

No.	Length
5	5
6	6
8	8
10	10

COMBINATION SLIP-JOINT PLIERS WITH SIDE CUTTER



Same sturdy construction as pliers listed above with side cutter added. Drop-forged from selected steel, with knurled handles; polished and nickel-plated.

No.	Length
37	7

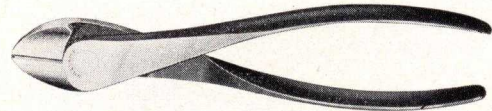
BATTERY PLIERS



Offset jaws allow ample hand clearance for battery terminal work. Milled teeth assure positive grip. Drop-forged from selected steel, faces polished.

No.	Length
67	7

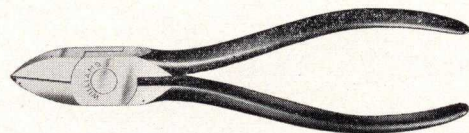
HIGH LEVERAGE DIAGONAL CUTTING PLIERS



Added leverage for easier and more powerful cutting. They are particularly adapted to heavy duty work. Drop-forged from selected steel, faces polished.

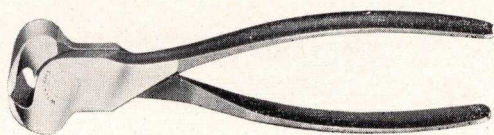
No.	Length
57	7

DIAGONAL CUTTING PLIERS



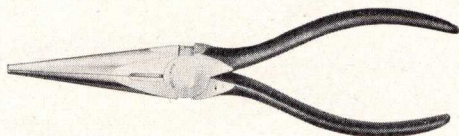
Mechanics and electricians find many uses for these rugged tools. Cutting edges are made for lasting service. Drop-forged from selected steel, faces polished.

No.	Length
46	6
47	7

WILLIAMS' PLIERS**END CUTTING NIPPERS**

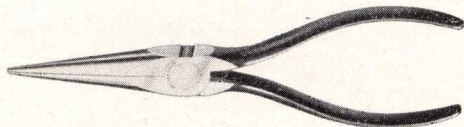
These powerful, easy cutting nippers have carefully sharpened edges. Wide throat provides ample clearance. Drop-forged from selected steel, faces polished.

No.	Length
166	6
167	7

LONG CHAIN NOSE PLIERS WITH SIDE CUTTER

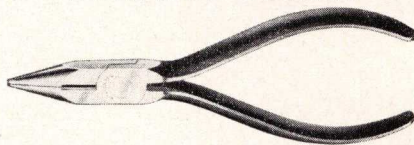
Long, thin nose for close quarters with side-cutting jaws. Ideal for ignition and electrical work, etc. Drop-forged from selected steel, faces polished.

No.	Length
76	6
77	7

LONG CHAIN NOSE PLIERS WITHOUT SIDE CUTTER

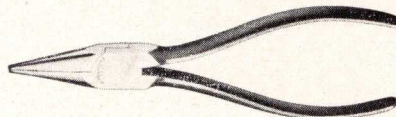
Long, tapered nose is ideal in close quarters encountered in ignition and electrical work. Drop-forged from selected steel, faces polished.

No.	Length
86	6
87	7

SHORT CHAIN NOSE PLIERS WITH SIDE CUTTER

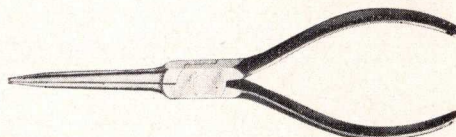
For fine mechanical work such as done in the jewelry, optical and electronics fields. Jaws have side cutters. Drop-forged from selected steel, faces polished.

No.	Length
95	5

SHORT CHAIN NOSE PLIERS WITHOUT SIDE CUTTERS

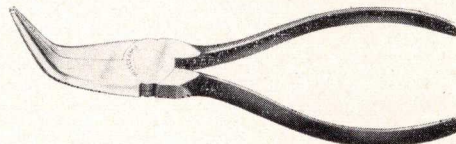
For fine mechanical work such as done in the jewelry, optical and electronics trades. No cutter in jaws. Drop-forged from selected steel, faces polished.

No.	Length
105	5

LONG NEEDLE NOSE PLIERS

The long slender jaws have strong gripping ability. Jaws will not become distorted in normal use. Drop-forged from selected steel, faces polished.

No.	Length
116	6

BENT NEEDLE NOSE PLIERS

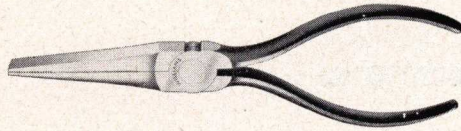
The long slender jaws are bent to reach around or under obstructions. Jaws have strong gripping ability. Drop-forged from selected steel, faces polished.

No.	Length
126	6

WILLIAMS' PLIERS

DUCK BILL PLIERS

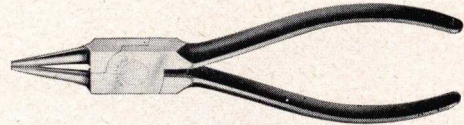
(Flat Jaws)



Used in highly inaccessible places where there is not space for ordinary pliers or fingers. Strong jaws have firm grip. Drop-forged from selected steel, faces polished.

No.	Length
146	6

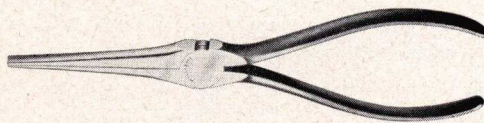
ROUND NOSE PLIERS



Extensively used for flat or round wire forming. Nose and jaws are amply strong for this type of work. Drop-forged from selected steel, faces polished.

No.	Length
134	4
136	6

EXTRA LONG DUCK BILL PLIERS



Widely used by textile weavers, telephone maintenance men and punch press operators for inserting and removing work. Drop-forged from selected steel, faces polished.

No.	Length
157	7

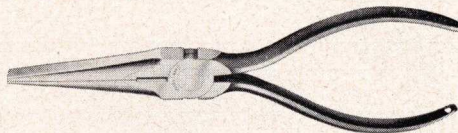
GAS AND BURNER PLIERS



These pliers have larger capacities than ordinary pliers of this type. Handles are designed for comfortable grip. Drop-forged from selected steel, faces polished.

No.	Length
178	8
180	10

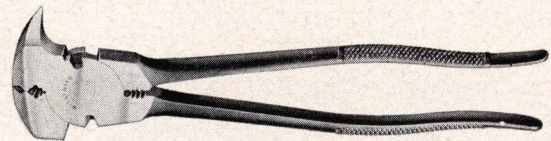
LONG FLAT NOSE PLIERS WITH SIDE CUTTER



Side cutting jaws have long gripping surfaces. In addition to auto radiator repair work these pliers are widely used in textile mills on certain types of knitting machines. Drop-forged from selected steel, faces polished.

No.	Length
196	6

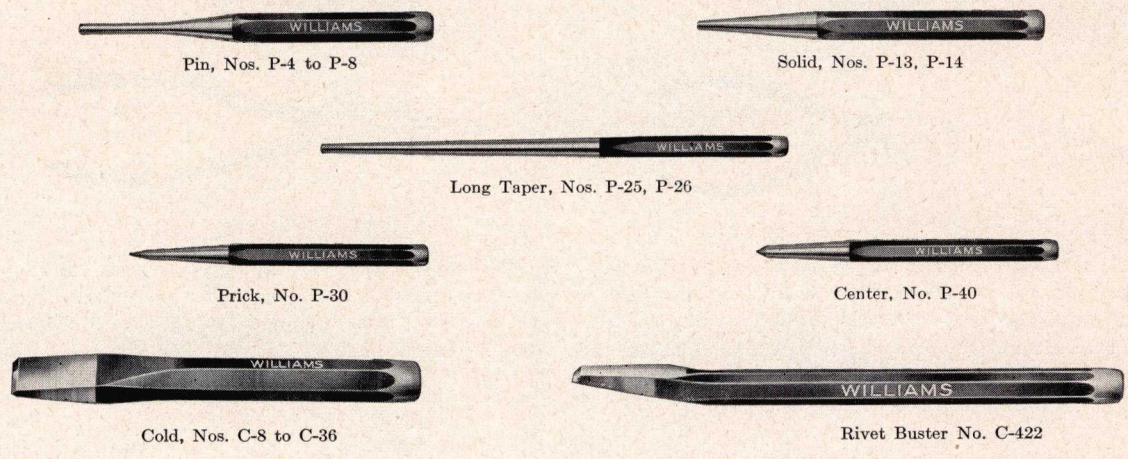
FENCE PLIERS AND STAPLE PULLER



For maintaining and installing wire fence on metal or wood posts. Head has hammer on one jaw, starting and pulling point on the other. Pliers also have two wire cutters, staple puller and wire splicer in nose, wire stretcher and lug lifter. Drop-forged from selected steel

No.	Length
190	10

WILLIAMS' PUNCHES and CHISELS



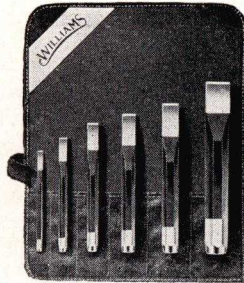
Williams' Punches are forged from high grade octagon alloy steel, properly hardened and tempered to stand up under the most severe service. Body finished in black, with the taper and head full polished. Packed 6 in card-board box.

Williams' Chisels, of high grade octagon alloy steel, are carefully forged, hardened and tempered. Amply hard for work on tempered material, yet soft enough to minimize chipping and to permit resharpening with a file. Body finished in black with full polished bit and head. Packed 6 in cardboard box, excepting No. C-36, 3 in a box.

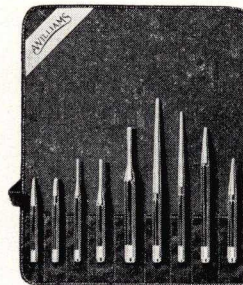
Williams' Rivet Buster is designed especially for cutting off hardened rivet heads. A great time saver when used for this purpose, instead of the ordinary chisel. Packed 3 in a box.

No.	Point Diameter or Width of Cut	Stock Size	Length
PIN PUNCHES			
P-4	1/8	3/8	6
P-6	3/16	1/2	6
P-8	1/4	5/8	8
SOLID PUNCHES			
P-13	3/32	1/2	6
P-14	1/8	1/2	8
LONG TAPER PUNCHES			
P-25	5/32	3/8	9
P-26	3/16	1/2	10
PRICK PUNCH			
P-30	.....	3/8	5
CENTER PUNCH			
P-40	.....	3/8	5
COLD, or FLAT CHISELS			
C-8	1/4	1/4	4 3/4
C-12	3/8	3/8	5 1/2
C-16	1/2	1/2	6
C-20	5/8	5/8	6 1/2
C-24	3/4	3/4	7
C-36	1 1/8	1	8
RIVET BUSTER			
C-422	11/16	3/4	12

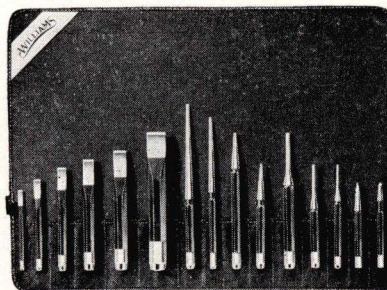
11-49

WILLIAMS' PUNCH and CHISEL SETS**CHISEL SET No. C-6****In Leatherette Roll****In Cardboard Box**

This compact chisel set contains six Cold or Flat Chisels as described on opposite page 1/4", 3/8", 1/2", 5/8", 3/4" and 1-1/8" wide.

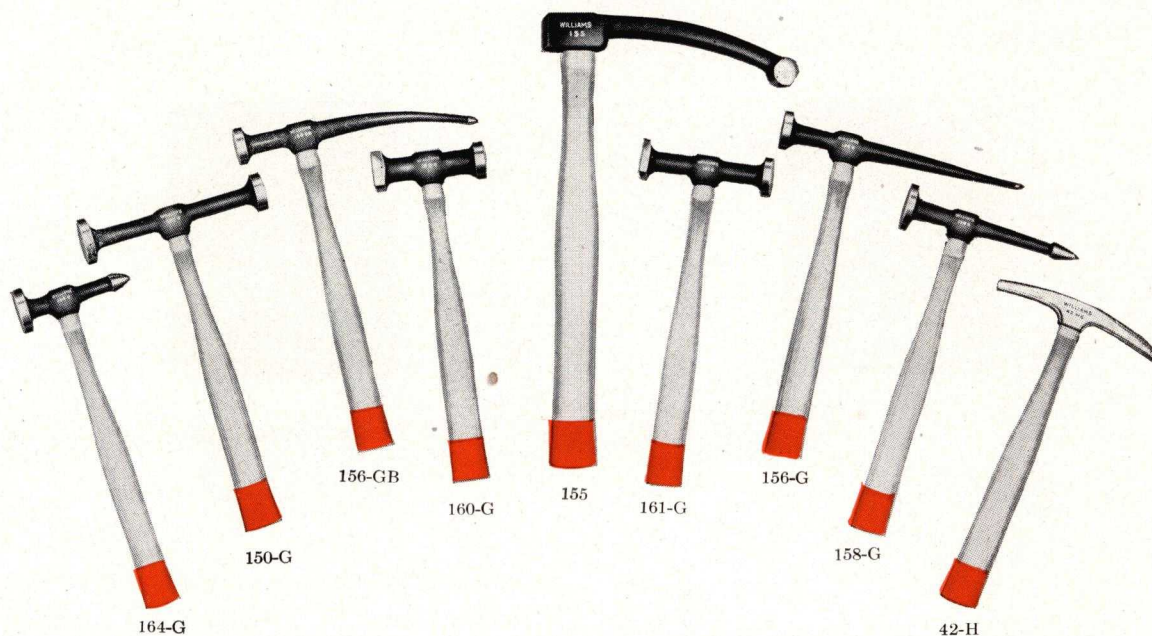
PUNCH SET No. P-9**In Leatherette Roll****In Cardboard Box**

This handy punch set contains three Pin Punches with 1/8", 3/16" and 1/4" points; two Solid Punches with 3/32" and 1/8" points; two long Taper Punches with 5/32" and 3/16" points; one Prick Punch and one Center Punch, each 5" long.

PUNCH and CHISEL SET No. PC-15**In Leatherette Roll****In Cardboard Box**

This combination set contains a complete assortment of Williams' Punches and Chisels. Set contains six Cold or Flat Chisels 1/4" to 1-1/8" wide; three Pin Punches with 1/8", 3/16" and 1/4" points; two Solid Punches with 3/32" and 1/8" points; two Long Taper Punches with 5/32" and 3/16" points; one Prick Punch and one Center Punch, each 5" long.

WILLIAMS' BODY AND FENDER HAMMERS



Williams' Body and Fender Hammers are drop-forged from selected steel and heat-treated. All are fitted with selected hickory handles finished with clear lacquer.

No. 150-G DINGING HAMMER

This rugged well balanced hammer is recommended for general bumping and dinging where heavier blows are required. Long head permits dinging over obstructions.

No. 155 FENDER BUMPER

A heavy hammer for use in places inaccessible by hand with an ordinary dolly. Designed to clear obstructions when bumping out dents from the inside.

No. 156-G FINISHING HAMMER

Pointed end is used for driving up small dents in low crown and flat panels. The dinging head has a high crown face. Extra long reach permits working over braces and inner construction inside bodies.

No. 156-GB CURVED FINISHING HAMMER

Pointed end is bent to arc of a normal swing, otherwise same as No. 156-G. Curved pointed end allows user to reach in such places as the edge of a roof rail panel and in behind bracing.

No. 158-G FINISHING HAMMER

While designed for general work it is particularly useful for driving up small low spots when filing. Pick end is well balanced with low crown dinging head.

No. 160-G BUMPING HAMMER

A heavy duty hammer for straightening braces, reinforcements, floor panels, etc. Well adapted to heavy duty bumping work on body and fender straightening.

No. 161-G DINGING HAMMER

A light-weight well balanced hammer for light and medium work. Square face is low crowned and round face is high crowned.

No. 164-G UTILITY HAMMER

Short pick has bullet shaped end for driving up small dents. It is also useful for driving up dents in fenders without removing the wheel and for general dinging on thin gauge metal.

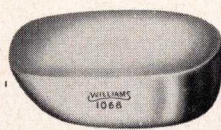
No. 42-H MAGNETIC TRIMMER'S HAMMER

Full polished head is drop forged from steel selected to retain magnetism. Arc of the head is designed for utmost efficiency in trimming and upholstery work.

No.	FACES		POINTED ENDS		Length Head Overall	Handle Length	Weight
	Round	Square	Tip Radius	Length			
150-G	1-1/4	.....	.....	.....	6	11-1/2	13 oz.
155	.....	.....	.....	.....	8-1/2	15	2 lbs.
156-G	1-1/4	.....	1/32	5-1/2	8	11-1/2	9 oz.
156-GB	1-1/4	.....	.....	.....	8	11-1/2	9 oz.
158-G	1-9/16	.....	3/32	3-3/4	6-3/4	11-1/2	9 oz.
160-G	1-1/4	1-3/16	.....	.....	4	11-1/2	13 oz.
161-G	1-1/4	1-1/8	.....	.....	4	11-1/2	9 oz.
164-G	1-9/16	.....	5/32	2	4	11-1/2	7 oz.
42-H	.....	.....	.....	.....	5-7/8	11	7 oz.

4-49

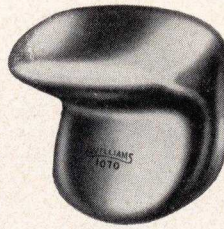
WILLIAMS' DOLLY BLOCKS AND SPOONS



No. 1068



No. 1060



No. 1070



No. 1059



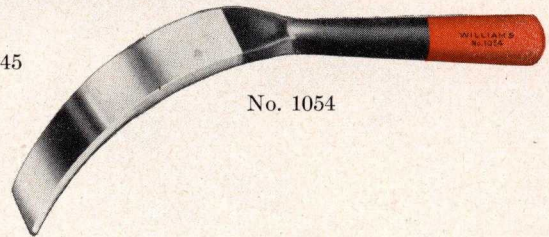
No. 1058



No. 1050



No. 1045



No. 1054

Williams' Dolly Blocks and Spoons are drop-forged from selected steel. Dolly Blocks are full polished. Bodies of Spoons are finished in black, blade ends are full polished.

No. 1058 TOE DOLLY

Extremely versatile due to its thinness and length. The large flat surface is useful in dinging flat panels and lower hood quarters. Fits many odd curves.

No. 1059 HEEL DOLLY

This dolly is designed for use in corners and wide radii.

No. 1060 GENERAL PURPOSE DOLLY

Its unlimited use makes it one of the most popular of all. Its weight and balance assure comfortable seating in the hand. Wide adaptability is achieved through the several differently crowned working surfaces and the two flanging and beading lips.

No. 1068 LOW CROWN DOLLY

Made for dinging on low crown panels where other dollies would stretch the metal. Also can be used for flange work. The 90° angle between the low crown face and the sides permits dinging in the furthest recesses of a flanged edge.

No. 1070 HEAVY DUTY DOLLY

For general heavy duty work. This dolly is recommended for use on heavy gauge fenders and panels. It is particularly adapted for roughing work and for use with air hammers.

No. 1045 LONG TURRET TOP SPOON

This spoon is used for prying and driving or as an offset dolly for dinging where it can be inserted between outer panel and inner construction. End at blade has a medium caulking face.

No. 1050 COMBINATION SPOON

Designed for general use. Its long high crown working surface is ideal for working behind reinforcements on high crown panels such as between fender brackets and fender where it is impossible to use a dolly block.

No. 1054 LONG CURVED SPOON

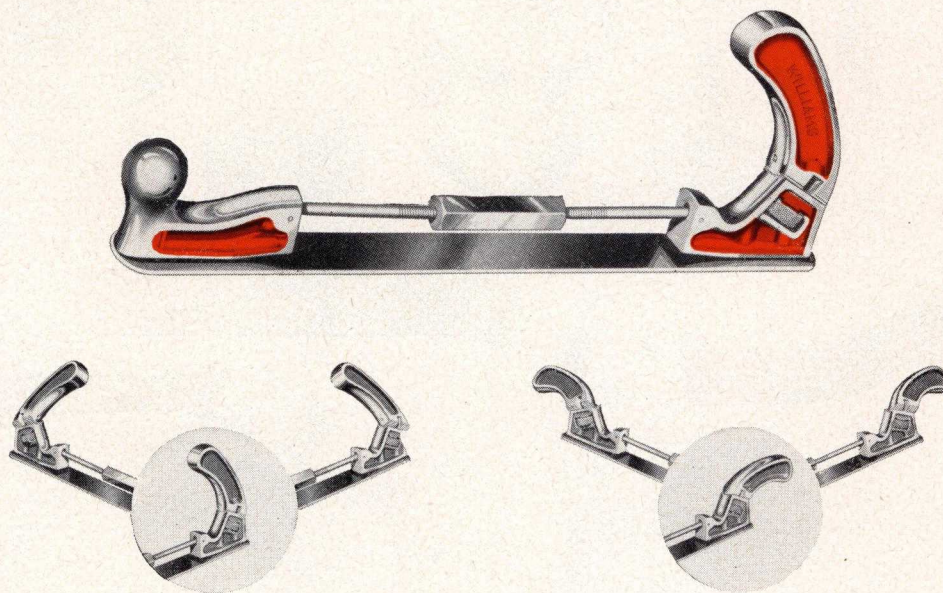
This spoon has a long, thin, curved blade which is handy for prying up dents encountered behind hinge anchors in doors and body pillars, reinforcements in hood tops, radiator shells, header panels, etc.

DOLLY BLOCKS

No.	Size	Wgt. Lbs.
1058	4-3/4 x 2-1/4 x 1-1/16	2-1/2
1059	3-1/8 x 2-3/8 x 1-7/16	2-1/2
1060	2-7/8 x 2-3/8 x 2-1/4	2-3/4
1068	2-3/4 x 1-5/8 x 4	2-3/4
1070	3-5/8 x 3-1/4 x 2-1/2	4-1/4

SPOONS

No.	Length Overall	Face	Octagon Handle	Wgt. Lbs.
1045	10	1-7/8 x 5-1/4 x 3/16	1-1/8	2-5/8
1050	4-3/4	1-3/4 x 5-1/2	1	2-3/4
1054	10-1/2	2 x 7	.....	1-1/2

WILLIAMS' FILES AND FILE HOLDERS**No. 1150 ADJUSTABLE FILE HOLDER**

Weight, 1 lb.

The handle of Williams' Adjustable File Holder may be adjusted to either side or completely reversed and again adjusted to either side as illustrated. This feature enables the operator to work close to obstructions without risk of injury to the hand. For either right or left hand use the hand is entirely out of the way of the work. Although light in weight, Holder is extremely rigid, and comfortably balanced. File may be flexed either way to the maximum point of safety against breakage. Before flexing, the bolt which attaches blade at the rear of the holder should be loosened.

**14" STANDARD
FLEXIBLE MILLED CURVED-TOOTH FILE**

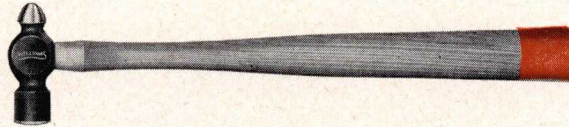
Weight, 5/8 lb.



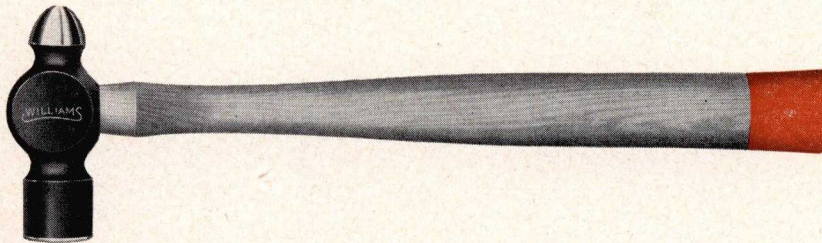
This type of file is most universally used in auto body repair work. Curved teeth are milled on both sides. These files are made from special alloy steel, precision milled and are self clearing. They leave a smooth finish. Designed for use with Williams' Adjustable File Holder No. 1150.

6-49

WILLIAMS' MACHINISTS' BALL PEIN HAMMERS



Nos. 7-0 to 2-0



Nos. 0 to 6

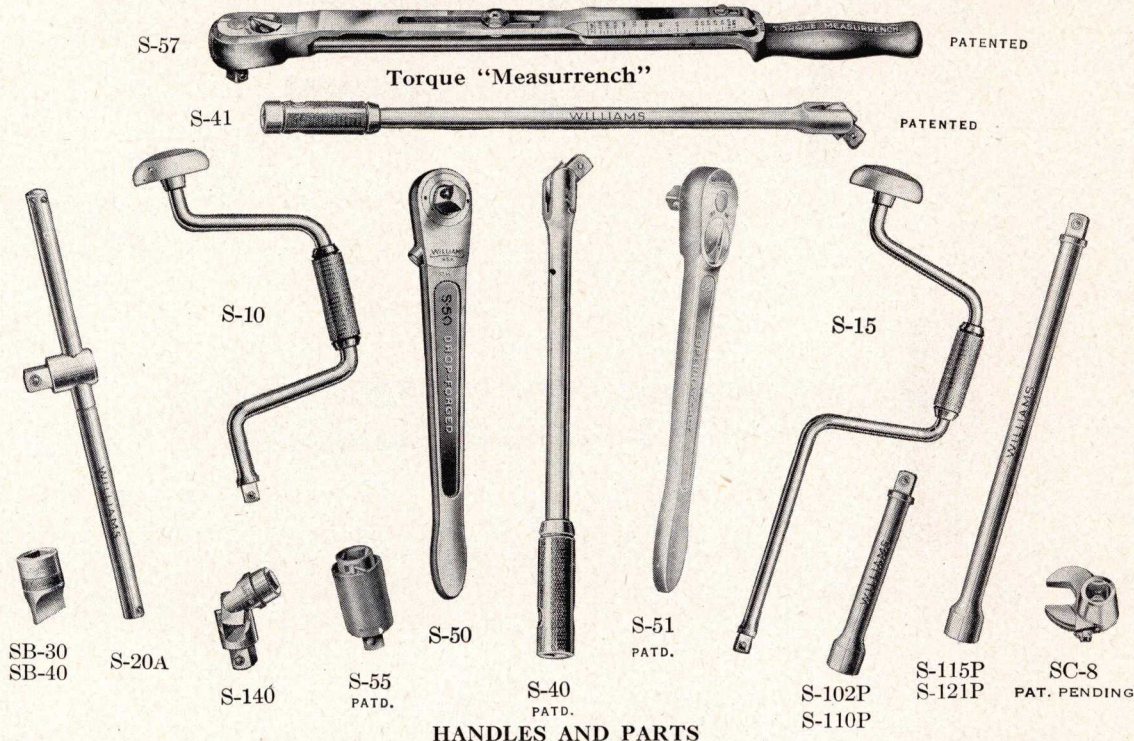
Williams' Ball Pein Hammers are exceptionally well balanced. They are drop-forged from specially selected steel and carefully heat-treated for uniform, dependable strength and hardness. They are built to withstand severe usage.

Handles are made from second growth white hickory and clear lacquered. Each handle is carefully fitted and permanently wedged into the head.

No.	Length	Weight
7-0	9-3/4	2 oz.
5-0	9-3/4	1/4 lb.
3-0	11-1/2	1/2 lb.
2-0	13-1/2	3/4 lb.
0	14	1 lb.
2	14-1/2	1-1/2 lbs.
4	15-1/2	2 lbs.
6	16-3/4	2-1/2 lbs.

WILLIAMS' ♦ "SUPERSOCKET" WRENCHES
(Selected Alloy Steel)

Standard Pattern — 1/2" Square Drive



No.	Piece	Net Wgt., Lbs. Approx.
SC-8	Adjust. Crowfoot Attach. 15/16" Cap...	.37
S-10	Speeder—12" long, revolving grips	1.8
S-15	Speeder—17-1/2" long, revolving grips	2.
S-20A	Sliding T Handle—11" long	.96
SB-30	Screw Driver Attachment—7/64x15/16"	.14
SB-40	Screw Driver Attachment—3/32x1-1/4"	.16
S-40	Flex Handle—12" long, flexible head	1.4
S-41	Flex Handle—17-1/4" long, crosshole 1/2"	1.9
S-42B	Sliding Bar—7/16 x 9" for S-41	.35
S-50	Ratchet—10" long with plug-connector	1.3
S-51	Reversible Ratchet 10-1/2" long	1.4

No.	Piece	Net Wgt., Lbs. Approx.
S-55	Reversible Ratchet Adapter—2-9/16"...	.5
S-57	Torque "Measurrench"—19-1/2" long. Indicates R. H. Torque. Has Torque indicating signal	3.7
S-102P	Extension Bar—2-1/2" long	.27
S-110P	Extension Bar—5-1/2" long	.53
S-115P	Extension Bar—10-1/2" long	1.
S-121P	Extension Bar—20" long	2.1
S-140	Universal Joint—range approx. 140°	.34

"SUPERSOCKETS"



REGULAR 12-POINT

Williams' Standard Sockets have thin walls for work in close places. They are accurately made from Selected Alloy Steel, heat-treated and chrome-plated.

WHITWORTH

No.	For Whitworth Standard	For B. S. F.	Net Wgt., Lbs. Approx.
STW-1206	3/16	1/4	.11
STW-1208	1/4	5/16	.13
STW-1210	5/16	3/8	.13
STW-1212	3/8	7/16	.16
STW-1214	7/16	1/2	.23
STW-1216	1/2	9/16	.28
STW-1218	9/16	5/8	.34
STW-1220	5/8	11/16	.48
STW-1222	11/16	3/4	.61
STW-1224	3/4	7/8	.75

METRIC MEASURE

No.	Metric Openings m/m	Net Wgt., Lbs. Approx.
STM-1210	10	.11
STM-1211	11	.11
STM-1212	12	.11
STM-1213	13	.11
STM-1214	14	.11
STM-1215	15	.13
STM-1216	16	.13
STM-1217	17	.14
STM-1218	18	.17
STM-1219	19	.17
STM-1220	20	.19
STM-1221	21	.23
STM-1222	22	.27
STM-1223	23	.28
STM-1224	24	.28
STM-1225	25	.33
STM-1226	26	.47
STM-1227	27	.47
STM-1228	28	.48
STM-1229	29	.52
STM-1230	30	.59
STM-1231	31	.66
STM-1232	32	.69
STM-1233	33	.78
STM-1234	34	.81
STM-1235	35	.86
STM-1236	36	.92

♦ REGISTERED TRADE MARK

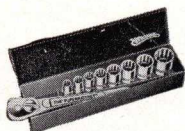
J. H. WILLIAMS & CO., BUFFALO, NEW YORK

G-49

WILLIAMS' ♦ "SUPERSOCKET" WRENCH SETS (Selected Alloy Steel)

Standard Pattern — 1/2" Square Drive

WHITWORTH
SET No. WS-3



8 Sockets and 1 Attachment
Total Net Weight, Approx. 5.8 lbs.
Case—2-1/8 x 3 x 12-1/2"

CONTENTS

- 8 Standard "Supersockets"—Nos. STW-1210, STW-1212, STW-1214, STW-1216, STW-1218, STW-1220, STW-1222 and STW-1224.
1 S-51 Reversible Ratchet—10-1/2" long.

WHITWORTH
SETS Nos. WS-4 and WS-4B



Case—2-1/8 x 3-3/4 x 12"

No. WS-4

No. WS-4B

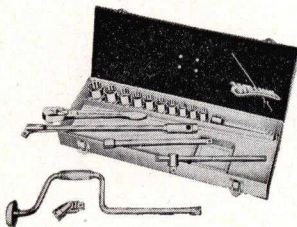
10 Sockets and 4 Attachments
Total Net Weight
Approx. 7.9 lbs.

10 Sockets and 1 Attachment
Total Net Weight
Approx. 6.2 lbs.

CONTENTS

- 10 Standard "Supersockets"—Nos. STW-1206, STW-1208, STW-1210, STW-1212, STW-1214, STW-1216, STW-1218, STW-1220, STW-1222 and STW-1224.
1 S-51 Reversible Ratchet—10-1/2" long.
*1 S-110P Extension Bar—5-1/2" long.
*1 S-115P Extension Bar—10-1/2" long.
*1 S-140 Universal Joint—range approx. 140°.
* Not included in Set No. WS-4B.

WHITWORTH
SET No. WS-5



10 Sockets and 7 Attachments
Total Net Weight, Approx. 16.7 lbs.
Case—2-1/4 x 7-1/2 x 20-3/4"

CONTENTS

- 10 Standard "Supersockets" Nos. STW-1206, STW-1208, STW-1210, STW-1212, STW-1214, STW-1216, STW-1218, STW-1220, STW-1222 and STW-1224.
1 S-15 Speeder—17-1/2" long.
1 S-20A Sliding T-Handle—11" long.
1 S-41 Flex Handle—17-1/4" long.
1 S-51 Reversible Ratchet—10-1/2" long.
1 S-110P Extension Bar—5-1/2" long.
1 S-115P Extension Bar—10-1/2" long.
1 S-140 Universal Joint—range approx. 140°.

♦ REGISTERED TRADE MARK

METRIC MEASURE
SET No. MS-4

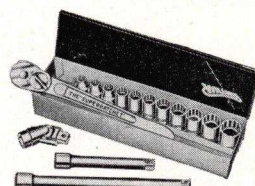


20 Sockets and 1 Attachment
Total Net Weight, Approx. 7.8 lbs.
Case—2-1/8 x 3-3/4 x 12"

CONTENTS

- 20 Standard "Supersockets"—Nos. STM-1210 to STM-1229 inclusive.
1 S-51 Reversible Ratchet—10-1/2" long.

METRIC MEASURE
SETS No. MS-1 and MS-1B



Case—2-1/8 x 3 x 12-1/2"

No. MS-1

No. MS-1B

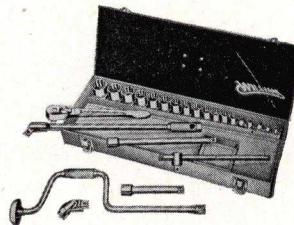
11 Sockets and 4 Attachments
Total Net Weight
Approx. 6 lbs.

11 Sockets and 1 Attachment
Total Net Weight
Approx. 4.3 lbs.

CONTENTS

- 11 Standard "Supersockets"—Nos. STM-1210 to STM-1220 inclusive.
1 S-51 Reversible Ratchet—10-1/2" long.
*1 S-110P Extension Bar—5-1/2" long.
*1 S-115P Extension Bar—10-1/2" long.
*1 S-140 Universal Joint—range approx. 140°.
* Not included in Set No. MS-1B.

METRIC MEASURE
SET No. MS-5

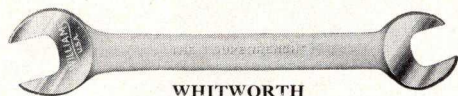


18 Sockets and 7 Attachments
Total Net Weight, Approx. 17.4 lbs.
Case—2-1/4 x 7-1/2 x 20-3/4"

CONTENTS

- 18 Standard "Supersockets"—Nos. STM-1210 to STM-1227 inclusive.
1 S-15 Speeder—17-1/2" long.
1 S-20A Sliding T-Handle—11" long.
1 S-41 Flex Handle—17-1/4" long.
1 S-51 Reversible Ratchet—10-1/2" long.
1 S-110P Extension Bar—5-1/2" long.
1 S-115P Extension Bar—10-1/2" long.
1 S-140 Universal Joint—range approx. 140°.

WILLIAMS' ♦♦"SUPERRENCHES"—ENGINEERS' PATTERN (Selected Alloy Steel) 15° Angle—Double Head



WHITWORTH

No.	For Whitworth Standard	For B. S. F.	Extreme Length Approx.	Net Wgt., Lbs. Approx.
W1021	1/8 & 3/16	3/16 & 1/4	4 1/2	.09
W1022	1/8 & 1/4	3/16 & 5/16	5 1/4	.12
W1023	3/16 & 1/4	1/4 & 5/16	5 1/4	.12
W1025	1/4 & 5/16	5/16 & 3/8	6 1/8	.18
W1027	5/16 & 3/8	3/8 & 7/16	7 1/4	.26
W1028	5/16 & 7/16	3/8 & 1/2	7 7/8	.37
W1029	3/8 & 7/16	7/16 & 1/2	8 1/2	.49
W1030	3/8 & 1/2	7/16 & 9/16	8 1/2	.49
W1031	7/16 & 1/2	1/2 & 9/16	9 1/4	.66
W1033	1/2 & 9/16	9/16 & 5/8	10	.79
W1034	1/2 & 5/8	9/16 & 11/16	11 3/4	1.2
W1037	5/8 & 3/4	11/16 & 7/8	12 3/4	1.7

Jaws are long, thin and pointed, but the strength is the greatest ever put in a thin wrench. Drop-forged from Selected Alloy Steel, heat-treated, chrome-plated.

METRIC MEASURE

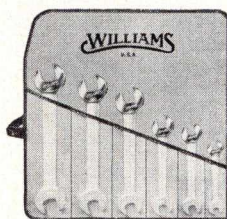
No.	Metric Openings m/m	Extreme Length, Approx.	Net Wgt., Lbs. Approx.
M1021	6 & 8	4 1/2	.09
M1021T	8 & 10	4 1/2	.09
M1023	10 & 12	5 1/4	.12
M1025	12 & 14	6 1/8	.18
M1027	14 & 16	7 1/4	.26
M1028	16 & 18	7 7/8	.37
M1028T	17 & 19	7 7/8	.37
M1029	18 & 20	8 1/2	.49
M1031	20 & 22	9 1/4	.66
M1031T	21 & 23	9 1/4	.66
M1032	22 & 25	10	.79
M1033	24 & 26	10	.79
M1035	25 & 28	11 3/4	1.2

SET No. W-1025
WHITWORTH

In Leatherette Roll
In Cardboard Box
Total Net Weight, 2.3 lbs.

CONTENTS

1 each Nos. W1021, W1025, W1027, W1029, W1031 and W1033.

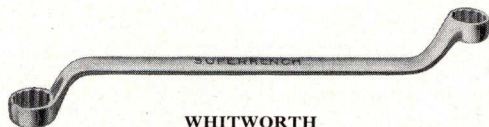
SET No. M-1025
METRIC MEASURE

In Leatherette Roll
In Cardboard Box
Total Net Weight, 2.2 lbs.

CONTENTS

1 each Nos. M1021T, M1025, M1028, M1028T, M1031 and M1031T.

WILLIAMS' 12-POINT-BOX ♦♦"SUPERRENCHES" (Selected Alloy Steel) Double Offset Pattern



WHITWORTH

No.	For Whitworth Standard	For B. S. F.	Extreme Length Approx.	Net Wgt., Lbs. Approx.
W8723	1/8 & 3/16	3/16 & 1/4	7 3/4	.26
W8025	3/16 & 1/4	1/4 & 5/16	8 3/4	.43
W8727	1/4 & 5/16	5/16 & 3/8	9 3/4	.59
W8729	5/16 & 3/8	3/8 & 7/16	11	.84
W8029	3/8 & 7/16	7/16 & 1/2	11	.84
W8733	7/16 & 1/2	1/2 & 9/16	13 1/2	1.4
W8033C	1/2 & 9/16	9/16 & 5/8	14 1/2	1.1
W8034A	1/2 & 5/8	9/16 & 11/16	15 1/2	1.3
W8037	9/16 & 5/8	5/8 & 11/16	17	2.1
W8039	11/16 & 3/4	3/4 & 7/8	19	3.3
W8039A	5/8 & 3/4	11/16 & 7/8	19	3.3
W8039B	3/4 & 7/8	7/8 & 1	19	3.3
W8041	7/8 & 1	1 & 1 1/8	23	5.7
W8045	1 1/8 & 1 1/4	1 1/4 & 1 3/8	25	8.5
W8049	1 3/8 & 1 1/2	1 1/2 & 1 5/8	27	10.2

Thin head walls permit use where clearance is extremely limited.

Drop-forged from Selected Alloy Steel, heat-treated and chrome-plated.

METRIC MEASURE

No.	Metric Openings m/m	Extreme Length, Approx.	Net Wgt., Lbs. Approx.
M8021	8 & 10	7 1/2	.18
M8723	9 & 11	7 3/4	.26
M8023	10 & 12	8 1/4	.43
M8025A	12 & 13	8 3/4	.43
M8725B	13 & 14	8 3/4	.43
M8025	13 & 15	8 3/4	.43
M8727	14 & 16	9 3/4	.59
M8727A	15 & 17	11	.59
M8729	16 & 18	11	.84
M8029	17 & 19	11	.84
M8729A	18 & 19	12 1/2	.84
M8731A	18 & 20	12 1/2	1.
M8031B	19 & 20	12 1/2	1.
M8731B	21 & 22	12 1/2	1.
M8033	23 & 24	13 1/2	1.1
M8033C	23 & 25	14 1/2	1.1
M8034	23 & 27	15 1/2	1.3
M8735A	25 & 28	17	2.1
M8735	26 & 29	17	2.1
M8039	30 & 32	19	3.3

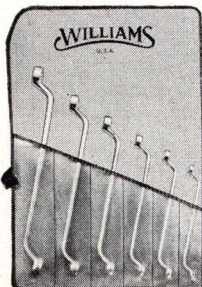
SET No. W-8006
WHITWORTH

In Leatherette Roll
In Cardboard Box
Total Net Weight, 3.6 lbs.

CONTENTS

1 each Nos. W8723, W8025, W8727, W8029, W8733 and W8033C.

♦ REGISTERED TRADE MARK

SET No. M-8006
METRIC MEASURE

In Leatherette Roll
In Cardboard Box
Total Net Weight, 3.5 lbs.

CONTENTS

1 each Nos. M8023, M8025, M8727, M8029, M8713A and M8033C.

WILLIAMS

J. H. WILLIAMS & CO. — BUFFALO, NEW YORK —

AUTOMOTIVE PRICE SHEET

No.	Description	Cat. Page	PRICE	No.	Description	Cat. Page	PRICE
Alloy "Superjustable" Wrenches				Alloy "Superrenches"—15° Angle Single Head Open End—Continued			
4"	1/2" Capacity	54	\$ 1.54	1705	13/16" Opening	55	\$ 1.58
6"	3/4" Capacity	54	1.54	1005	7/8" Opening	55	1.58
8"	15/16" Capacity	54	1.82	1006	15/16" Opening	55	1.90
10"	1-1/8" Capacity	54	2.32	1706	1" Opening	55	1.90
12"	1-5/16" Capacity	54	3.44	1007	1- 1/16" Opening	55	2.36
15"	1-3/4" Capacity	54	5.06	1707	1- 1/8" Opening	55	2.36
18"	2-1/16" Capacity	54	8.40	1008	1- 1/4" Opening	55	3.16
Alloy "Superjustable" Wrench Replacement Parts				1008A	1- 5/16" Opening	55	3.16
	Replacement Parts Assortment	54	17.76	1009	1- 7/16" Opening	55	4.78
4"	Jaw	54	.40	1709	1- 1/2" Opening	55	4.78
6"	Jaw	54	.40	1010	1- 5/8" Opening	55	6.68
8"	Jaw	54	.50	1010A	1-11/16" Opening	55	6.68
10"	Jaw	54	.66	1011	1-13/16" Opening	55	8.70
12"	Jaw	54	.96	1011A	1- 7/8" Opening	55	8.70
15"	Jaw	54	1.46	1012	2" Opening	55	11.84
18"	Jaw	54	1.72	1012A	2- 1/16" Opening	55	11.84
4"	Knurl	54	.16	1013	2- 3/16" Opening	55	15.30
6"	Knurl	54	.16	1013A	2- 1/4" Opening	55	15.30
8"	Knurl	54	.18	1014	2- 3/8" Opening	55	19.28
10"	Knurl	54	.20	1014A	2- 7/16" Opening	55	19.28
12"	Knurl	54	.34	Alloy "Superrenches"—15° Angle Double Head Open End			
15"	Knurl	54	.47	1021S	1/4 & 5/16" Openings	56	.56
18"	Knurl	54	.50	1720	5/16 & 11/32" Openings	56	.56
4"	Pin	54	.05	1721	5/16 & 3/8" Openings	56	.56
6"	Pin	54	.05	1021	5/16 & 13/32" Openings	56	.56
8"	Pin	54	.05	1723	3/8 & 7/16" Openings	56	.70
10"	Pin	54	.05	1023	13/32 & 1/2" Openings	56	.70
12"	Pin	54	.13	1723A	3/8 & 1/2" Openings	56	.70
15"	Pin	54	.13	1725	7/16 & 1/2" Openings	56	.77
18"	Pin	54	.13	1725A	7/16 & 9/16" Openings	56	.77
4"	Spring	54	.05	1725B	1/2 & 9/16" Openings	56	.84
6"	Spring	54	.05	1025	1/2 & 19/32" Openings	56	.84
8"	Spring	54	.05	1727	9/16 & 5/8" Openings	56	.99
10"	Spring	54	.05	1027C	9/16 & 11/16" Openings	56	1.30
12"	Spring	54	.05	1027	19/32 & 11/16" Openings	56	1.30
15"	Spring	54	.05	1027B	5/8 & 11/16" Openings	56	1.30
18"	Spring	54	.05	1028	19/32 & 25/32" Openings	56	1.27
Alloy "Superrenches"—15° Angle Single Head Open End				1028S	5/8 & 25/32" Openings	56	1.27
1000	5/16" Opening	55	.60	1729	5/8 & 3/4" Openings	56	1.27
1700	3/8" Opening	55	.60	1029B	11/16 & 3/4" Openings	56	1.30
1000A	13/32" Opening	55	.60	1029	11/16 & 25/32" Openings	56	1.30
1701	7/16" Opening	55	.70	1029C	11/16 & 13/16" Openings	56	1.30
1001	1/2" Opening	55	.70	1030	11/16 & 7/8" Openings	56	1.30
1702	9/16" Opening	55	.88	1731	3/4 & 13/16" Openings	56	1.69
1002	19/32" Opening	55	.88	1731A	3/4 & 7/8" Openings	56	1.69
1703	5/8" Opening	55	1.08	1031B	25/32 & 13/16" Openings	56	1.69
1003	11/16" Opening	55	1.08	1031	25/32 & 7/8" Openings	56	1.69
1704	3/4" Opening	55	1.32	1731B	13/16 & 7/8" Openings	56	1.69
1004	25/32" Opening	55	1.32	1032B	13/16 & 15/16" Openings	56	1.69
				1033A	7/8 & 15/16" Openings	56	1.69
				1733	7/8 & 1" Openings	56	2.29
				1033C	15/16 & 1" Openings	56	2.29
				1034	7/8 & 1-1/16" Openings	56	2.15

AUTOMOTIVE PRICE SHEET

No.	Description	Cat. Page	PRICE
Alloy "Superrenches" 15° Angle Double Head Open End—Continued			
1034A	15/16 & 1-1/16" Openings....	56	\$ 2.15
1035	31/32 & 1-1/16" Openings....	56	2.15
1735	1 & 1-1/8" Openings....	56	2.68
1036B	1-1/16 & 1-1/8" Openings....	56	2.68
1037	1-1/16 & 1-1/4" Openings....	56	2.68
1737	1-1/8 & 1-1/4" Openings....	56	2.68
1037A	1-1/8 & 1-5/16" Openings....	56	2.68
1039B	1-1/4 & 1-5/16" Openings....	56	4.19
1039	1-1/4 & 1-7/16" Openings....	56	4.19
1039A	1-5/16 & 1-1/2" Openings....	56	4.19
1039C	1-3/8 & 1-7/16" Openings....	56	4.19
1040	1-1/4 & 1-5/8" Openings....	56	4.19
1041	1-7/16 & 1-5/8" Openings....	56	6.47
1041B	1-1/2 & 1/5-8" Openings....	56	6.47

Alloy "Superrenches"—Midget D. H. Open End—15° Angle

1106	13/64 & 7/32" Openings.....	61	.74
1107	15/64 & 1/4" Openings.....	61	.74
1108	9/32 & 11/32" Openings.....	61	.81
1108A	1/4 & 5/16" Openings.....	61	.81
1109	5/16 & 3/8" Openings.....	61	.81

Alloy "Superrenches"—Midget D. H. Open End—15°-75° Angles

1112	3/16 & 3/16" Openings.....	61	.74
1113	13/64 & 13/64" Openings.....	61	.74
1114	7/32 & 7/32" Openings.....	61	.74
1115	15/64 & 15/64" Openings.....	61	.74
1116	1/4 & 1/4" Openings.....	61	.74
1118	9/32 & 9/32" Openings.....	61	.81
1120	5/16 & 5/16" Openings.....	61	.81
1122	11/32 & 11/32" Openings.....	61	.81
1124	3/8 & 3/8" Openings.....	61	.81
1128	7/16 & 7/16" Openings.....	61	.92
1132	1/2 & 1/2" Openings.....	61	.92

Alloy "Superrenches"—Midget 6 Point Box

1150	13/64 & 3/16" Openings.....	61	.75
1151	15/64 & 7/32" Openings.....	61	.81
1152	9/32 & 1/4" Openings.....	61	.86
1153	11/32 & 5/16" Openings.....	61	.92

Alloy "Superrenches"—15° Angle Offset Box—Short Pattern

6723	3/8 & 7/16" Openings.....	44	.95
6725	7/16 & 1/2" Openings.....	44	.95
6725A	7/16 & 9/16" Openings.....	44	.95
6725B	1/2 & 9/16" Openings.....	44	.95
6025	1/2 & 19/32" Openings.....	44	.95
6727	9/16 & 5/8" Openings.....	44	1.09

No.	Description	Cat. Page	PRICE
Alloy "Superrenches"—15° Angle Offset Box—Long Pattern			
7723	3/8 & 7/16" Openings....	44	\$.95
7023	13/32 & 1/2" Openings....	44	.95
7725	7/16 & 1/2" Openings....	44	.95
7725A	7/16 & 9/16" Openings....	44	.99
7725B	1/2 & 9/16" Openings....	44	.99
7025	1/2 & 19/32" Openings....	44	.99
7727	9/16 & 5/8" Openings....	44	1.08
7027	19/32 & 11/16" Openings....	44	1.31
7727A	5/8 & 11/16" Openings....	44	1.31
7729	5/8 & 3/4" Openings....	44	1.31
7029B	11/16 & 3/4" Openings....	44	1.31
7029	11/16 & 25/32" Openings....	44	1.31
7729A	3/4 & 25/32" Openings....	44	1.54
7030	11/16 & 7/8" Openings....	44	1.54
7731A	3/4 & 7/8" Openings....	44	1.54
7031B	25/32 & 13/16" Openings....	44	1.54
7031	25/32 & 7/8" Openings....	44	1.54
7731B	13/16 & 7/8" Openings....	44	1.54
7033A	7/8 & 15/16" Openings....	44	2.67
7733	7/8 & 1" Openings....	44	2.67
7033C	15/16 & 1" Openings....	44	2.67
7034	7/8 & 1- 1/16" Openings....	44	3.04
7034A	15/16 & 1- 1/16" Openings....	44	3.04
7735	1 & 1- 1/8" Openings....	44	3.04
7735A	1-1/16 & 1- 1/8" Openings....	44	3.04
7037	1-1/16 & 1- 1/4" Openings....	44	3.04
7037A	1-1/8 & 1- 5/16" Openings....	44	3.52
7039B	1-1/4 & 1- 5/16" Openings....	44	3.52
7039	1-1/4 & 1- 7/16" Openings....	44	3.52
7039A	1-5/16 & 1- 1/2" Openings....	44	3.52
7040B	1-7/16 & 1- 1/2" Openings....	44	4.75
7041	1-7/16 & 1- 5/8" Openings....	44	5.85
7742B	1-1/2 & 1-11/16" Openings....	44	5.85

Alloy "Superrenches"—Double Offset Box—Long Pattern

8021	5/16 & 13/32" Openings....	45	.85
8723	3/8 & 7/16" Openings....	45	1.01
8023	13/32 & 1/2" Openings....	45	1.01
8725	7/16 & 1/2" Openings....	45	1.01
8725A	7/16 & 9/16" Openings....	45	1.12
8725B	1/2 & 9/16" Openings....	45	1.12
8025	1/2 & 19/32" Openings....	45	1.12
8727	9/16 & 5/8" Openings....	45	1.17
8027	19/32 & 11/16" Openings....	45	1.30
8727A	5/8 & 11/16" Openings....	45	1.30
8729	5/8 & 3/4" Openings....	45	1.30
8029B	11/16 & 3/4" Openings....	45	1.30
8029	11/16 & 25/32" Openings....	45	1.30
8729A	3/4 & 25/32" Openings....	45	1.41
8030	11/16 & 7/8" Openings....	45	1.41
8731	3/4 & 13/16" Openings....	45	1.41
8731A	3/4 & 7/8" Openings....	45	1.41
8031B	25/32 & 13/16" Openings....	45	1.41
8031	25/32 & 7/8" Openings....	45	1.41
8731B	13/16 & 7/8" Openings....	45	1.41
8033A	7/8 & 15/16" Openings....	45	2.05
8733	7/8 & 1" Openings....	45	2.05

WILLIAMS

J. H. WILLIAMS & CO. — BUFFALO, NEW YORK —

AUTOMOTIVE PRICE SHEET

No.	Description	Cat. Page	PRICE	No.	Description	Cat. Page	PRICE
Alloy "Superrenches"—Double Offset Box—Long Pattern—Continued				Alloy "Superrenches"—Open End-Box—Continued			
8033C	15/16 & 1" Openings....	45	\$ 2.05	1162	1/2 & 1/2" Openings....	48	\$ 1.15
8034	7/8 & 1-1/16" Openings....	45	3.10	1163	9/16 & 9/16" Openings....	48	1.24
8034A	15/16 & 1-1/16" Openings....	45	3.10	1163A	19/32 & 19/32" Openings....	48	1.24
8735	1 & 1-1/8" Openings....	45	3.42	1164	5/8 & 5/8" Openings....	48	1.38
8735A	1-1/16 & 1-1/8" Openings....	45	3.42	1165	11/16 & 11/16" Openings....	48	1.52
8037	1-1/16 & 1-1/4" Openings....	45	3.42	1166	3/4 & 3/4" Openings....	48	1.70
8037A	1-1/8 & 1-5/16" Openings....	45	3.42	1166A	25/32 & 25/32" Openings....	48	1.70
8039B	1-1/4 & 1-5/16" Openings....	45	4.52	1167A	13/16 & 13/16" Openings....	48	1.78
8039	1-1/4 & 1-7/16" Openings....	45	4.52	1167	7/8 & 7/8" Openings....	48	1.78
8039A	1-5/16 & 1-1/2" Openings....	45	4.52	1168	15/16 & 15/16" Openings....	48	2.08
Alloy "Superrenches"—Double Offset Box—Heavy Service Long Pattern				1170	1 & 1" Openings....	48	2.08
8040B	1- 7/16 & 1- 1/2" Openings..	45	5.52	1171	1-1/16 & 1-1/16" Openings....	48	2.70
8041	1- 7/16 & 1- 5/8" Openings..	45	5.62	1172	1-1/8 & 1-1/8" Openings....	48	3.27
8742B	1- 1/2 & 1-11/16" Openings..	45	5.62	1173	1-1/4 & 1-1/4" Openings....	48	3.63
8045	1-13/16 & 2" Openings....	45	9.72	1174	1-5/16 & 1-5/16" Openings....	48	4.63
8049	2- 3/16 & 2- 3/8" Openings..	45	12.38	1176	1-7/16 & 1-7/16" Openings....	48	5.03
8053	2- 9/16 & 2- 3/4" Openings..	45	20.40	Alloy "Superrenches"—15° Angle Double Head Tappet			
Alloy "Superrenches"—Double Offset Box—Short Pattern				1090A	3/8 & 7/16" Openings.....	58	1.02
9723	3/8 & 7/16" Openings.....	45	.90	1090	7/16 & 1/2" Openings.....	58	1.02
9725	7/16 & 1/2" Openings.....	45	.97	1090G	7/16 & 17/32" Openings.....	58	1.02
9725A	7/16 & 9/16" Openings.....	45	.97	1090D	1/2 & 9/16" Openings.....	58	1.02
9725B	1/2 & 9/16" Openings.....	45	.97	1092	9/16 & 5/8" Openings.....	58	1.02
9025	1/2 & 19/32" Openings.....	45	.97	1092F	5/8 & 11/16" Openings.....	58	1.02
9727	9/16 & 5/8" Openings.....	45	1.07	1094G	3/4 & 13/16" Openings.....	58	1.16
Alloy "Superrenches"—Flare-Nut Pattern				1094	3/4 & 7/8" Openings.....	58	1.16
1312	3/8 & 3/8" Openings....	47	1.20	1096	15/16 & 1" Openings.....	58	1.16
1314	7/16 & 7/16" Openings....	47	1.23	Alloy "Superrenches"—15° Angle Extra Long Thin Tappet			
1316	1/2 & 1/2" Openings....	47	1.35	A100C	3/8" Opening.....	58	1.23
1318	9/16 & 9/16" Openings....	47	1.46	A100	7/16" Opening.....	58	1.23
1320	5/8 & 5/8" Openings....	47	1.63	A100A	1/2" Opening.....	58	1.23
1322	11/16 & 11/16" Openings....	47	1.78	A100B	9/16" Opening.....	58	1.23
1324	3/4 & 3/4" Openings....	47	1.78	A101	5/8" Opening.....	58	1.23
1328	7/8 & 7/8" Openings....	47	2.10	Alloy "Superrenches"—Adjustable Hook Spanners			
1332	1 & 1" Openings....	47	2.25	1471	3/4 to 2" Capacity.....	43	3.84
1334	1-1/16 & 1-1/16" Openings....	47	2.51	1472	1-1/4 to 3" Capacity.....	43	4.44
1336	1-1/8 & 1-1/8" Openings....	47	2.51	1474	2 to 4-3/4" Capacity.....	43	6.12
Alloy "Superrenches"—Open End-Box				Special Service Tools			
1159	5/16 & 5/16" Openings....	48	.93	5	Wheel Puller.....	40	8.82
1159A	11/32 & 11/32" Openings....	48	.93	V-132	Ford Crank Ratchet Socket..	50	2.10
1160	3/8 & 3/8" Openings....	48	.95	S-231	Ford Connecting Rod Wrench..	50	2.10
1161	7/16 & 7/16" Openings....	48	1.05	S-243	Ford Main Bearing Wrench...	50	2.10
				SV-244	Ford Distributor Wrench.....	50	1.83

AUTOMOTIVE PRICE SHEET

No.	Description	Cat. Page	PRICE	No.	Description	Cat. Page	PRICE
Special Service Tools—Continued				Alloy "Superrenches"—Sets—Continued			
SC-614	Cadillac Conn. Rod Socket...	52	\$ 1.48	8005A	5 Double Offset Box Wrenches in Box.....	46	\$13.51
SF-1218	Special 9/16" Ford Socket....	50	.83	8006	6 Double Offset Box Wrenches in Roll.....	46	9.86
1515	Lock Ring Pliers.....	51	2.64	8006	6 Double Offset Box Wrenches in Box.....	46	8.06
1517	Brake Spring Pliers.....	51	2.74	9703	3 Double Offset Box Wrenches in Roll.....	46	3.69
1960	Starter and Manifold Wrench..	52	1.86	9703	3 Double Offset Box Wrenches in Box.....	46	2.94
1961	Starter Nut Wrench.....	52	1.99				
1966A	Ford Drain Plug Wrench.....	50	1.41	Leatherette Rolls Only			
1981A	Ford Connecting Rod Wrench...	50	2.25	106	6 Pocket Roll.....	59	1.15
1984X	Ford Brake Wrench.....	50	2.15	108	8 Pocket Roll.....	59	1.40
1997	Slotted Anchor Pin Wrench...	51	1.36	1005S	5 Pocket Roll.....	57	1.45
1998B	Hydraulic Brake Wrench.....	51	.97	1025A	6 Pocket Roll.....	57	1.25
1999	"Multisocket" Wrench.....	43	5.04	1032	6 Pocket Roll.....	59	1.10
Alloy "Superrenches"—Sets				1042	8 Pocket Roll.....	59	1.40
106	6 Extra Long Tappet Wrs. in Roll.....	59	8.53	1141P	12 Pocket Midget Roll.....	61	.90
106	6 Extra Long Tappet Wrs. in Box.....	59	7.38	1149	5 Pocket Midget Roll.....	61	.40
108	8 Extra Long Tappet Wrs. in Roll.....	59	11.24	1149P	6 Pocket Midget Roll.....	61	.50
108	8 Extra Long Tappet Wrs. in Box.....	59	9.84	1154S	4 Pocket Midget Roll.....	61	.50
1005S	5 D. H. Open End Wrs. in Roll..	57	9.87	1170S	6 Pocket Roll.....	49	1.25
1005S	5 D. H. Open End Wrs. in Box..	57	8.42	1173S	7 Pocket Roll.....	49	1.65
1025A	6 D. H. Open End Wrs. in Roll..	57	9.06	1400	3 Pocket Roll.....	43	1.08
1025A	6 D. H. Open End Wrs. in Box..	57	7.81	6703	3 Pocket Roll.....	46	.50
1032	6 D. H. Tappet Wrs. in Roll..	59	7.22	7006	6 Pocket Roll.....	46	1.50
1032	6 D. H. Tappet Wrs. in Box...	59	6.12	8006	6 Pocket Roll.....	46	1.80
1042	8 D. H. Tappet Wrs. in Roll..	59	9.84	9703	3 Pocket Roll.....	46	.75
1042	8 D. H. Tappet Wrs. in Box...	59	8.44	C-6	6 Pocket Roll.....	69	.84
1141P	11 Midget Wrs., 1-1519 Pliers in Roll.....	61	11.36	P-9	9 Pocket Roll.....	69	.90
1141P	11 Midget Wrs., 1-1519 Pliers in Box.....	61	10.46	PC-15	15 Pocket Roll.....	69	1.40
1149	5 Midget Wrenches in Roll...	61	4.31	1/4" Drive Midget "Supersockets", Handles and Parts			
1149	5 Midget Wrenches in Box....	61	3.91	NM-20A	Sliding T Handle, 4-1/2".....	4	.99
1149P	5 Midget Wrs., 1-1519 Pliers in Roll.....	61	6.09	NM-42	Flex Handle with Cross Hole, 5-3/4".....	4	1.54
1149P	5 Midget Wrs., 1-1519 Pliers in Box.....	61	5.59	NM-42B	Sliding Bar for NM-42.....	4	.25
1154S	4 Midget Box Wrs., in Roll...	61	3.84	NM-51	Reversible Ratchet, 4-1/2"....	4	3.52
1154S	4 Midget Box Wrs. in Box....	61	3.34	MR-51	Refrigeration Ratchet, 6".....	40	2.90
1170S	6 Open End-Box Wrs. in Roll..	49	9.55	NM-102	Extension, 2".....	4	.78
1170S	6 Open End-Box Wrs. in Box..	49	8.30	NM-106	Extension with Plastic Grip, 6".....	4	1.14
1171S	7 Open End Box Wrs. in Box..	49	13.72	NM-110	Extension—Revolving Handle, 5-3/8".....	4	1.70
1172S	18 Open End-Box Wrs. in Box	49	31.11	NM-115	Extension, 6".....	4	.93
1173S	7 Open End Box Wrs. in Roll..	49	9.28	NM-116	Extension, 14".....	4	1.32
1173S	7 Open End-Box Wrs. in Box..	49	7.63	NM-126	Screw Driver Attachment, 6"...	4	1.20
1400	3 Adj. Hook Spanners in Roll..	43	15.48	MB-130	Adapter—1/4" sq. Female, 3/8" sq. Male.....	4	.95
1400	3 Adj. Hook Spanners in Box..	43	14.40	MB-131	Adapter—1/4" sq. Male, 3/8" sq. Female.....	4	.95
1712A	11 D. H. Open End Wrs. in Box	57	21.51	NM-150	Plug Adapter—1/4" sq. Male, 1/4" sq. Male.....	4	.63
6703	3 15° Offset Box Wrs. in Roll..	46	3.49				
6703	3 15° Offset Box Wrs. in Box..	46	2.99				
7006	6 15° Offset Box Wrs. in Roll..	46	10.04				
7006	6 15° Offset Box Wrs. in Box..	46	8.54				

WILLIAMS

J. H. WILLIAMS & CO. — BUFFALO, NEW YORK —

AUTOMOTIVE PRICE SHEET

No.	Description	Cat. Page	PRICE	No.	Description	Cat. Page	PRICE
1/4" Drive Midget "Supersockets", Handles and Parts—Continued				3/8" Drive Bantam "Supersockets", Handles and Parts—Continued			
NMP-1	Phillips No. 1 Driver Attach..	4	\$.93	B-51A	Reversible Ratchet—Refrig.		
NMP-2	Phillips No. 2 Driver Attach..	4	.93		Service, 6-1/2"	10	\$ 4.54
NM-606	3/16" — 6 Pt. Socket	5	.38	B-108	Extension, 3"	10	1.06
NM-607	7/32" — 6 Pt. Socket	5	.38	B-110	Extension, 5-1/2"	10	1.10
NM-608	1/4" — 6 Pt. Socket	5	.38	B-115	Extension, 10-1/2"	10	1.24
NM-609	9/32" — 6 Pt. Socket	5	.38	B-118	Extension, 18"	10	1.66
NM-1210	5/16" — 12 Pt. Socket	5	.38	BS-130	Adapter—3/8" sq. Female,		
NM-1211	11/32" — 12 Pt. Socket	5	.38		1/2" sq. Male	10	1.06
NM-1212	3/8" — 12 Pt. Socket	5	.38	BS-131	Adapter—3/8" sq. Male,		
NM-1214	7/16" — 12 Pt. Socket	5	.38		1/2" sq. Female	10	1.06
NM-1216	1/2" — 12 Pt. Socket	5	.38	B-140	Universal Joint	10	2.24
NMD-608	1/4" — 6 Pt. Deep Socket ..	5	.59	B-150	Plug Connector for B-50		
NMD-609	9/32" — 6 Pt. Deep Socket ..	5	.59		Ratchet	10	.56
NMD-1210	5/16" — 12 Pt. Deep Socket ..	5	.59	BM-150	Adapter—3/8" sq. Male,		
NMD-1211	11/32" — 12 Pt. Deep Socket ..	5	.59		1/4" sq. Male	10	.78
NMD-1212	3/8" — 12 Pt. Deep Socket ..	5	.59	BP-2	Phillips No. 2 Driver Attach..	10	1.41
NMD-1214	7/16" — 12 Pt. Deep Socket ..	5	.59	BP-3	Phillips No. 3 Driver Attach..	10	1.41
NM-406	3/16" — 4 Pt. Socket	5	.38	BP-4	Phillips No. 4 Driver Attach..	10	1.41
NM-407	7/32" — 4 Pt. Socket	5	.38	BC-6	Adj. Crowfoot Attach.—		
NM-408	1/4" — 4 Pt. Socket	5	.38		3/4" Capacity	10	2.50
NM-810	5/16" — 8 Pt. Socket	5	.38	B-608	1/4" — 6 Pt. Socket	11	.56
NM-812	3/8" — 8 Pt. Socket	5	.38	B-1210	5/16" — 12 Pt. Socket	11	.56
NAM-604	1/8" Hex Hollow Screw Bit ..	39	.76	B-1211	11/32" — 12 Pt. Socket	11	.56
NAM-605	5/32" Hex Hollow Screw Bit ..	39	.76	B-1212	3/8" — 12 Pt. Socket	11	.56
NAM-606	3/16" Hex Hollow Screw Bit ..	39	.76	B-1214	7/16" — 12 Pt. Socket	11	.56
NAM-607	7/32" Hex Hollow Screw Bit ..	39	.76	B-1216	1/2" — 12 Pt. Socket	11	.56
NMR-2	7/16" O. D. Packing Gland			B-1218	9/16" — 12 Pt. Socket	11	.56
	Nut Socket	41	.94	B-1220	5/8" — 12 Pt. Socket	11	.56
NMR-4	15/32" O. D. Packing Gland			B-1222	11/16" — 12 Pt. Socket	11	.63
	Nut Socket	41	.94	B-1224	3/4" — 12 Pt. Socket	11	.63
NMR-6	9/16" O. D. Packing Gland			BD-1212	3/8" — 12 Pt. Deep Socket ..	11	.71
	Nut Socket	41	.94	BD-1214	7/16" — 12 Pt. Deep Socket ..	11	.71
NMR-8	11/16" O. D. Packing Gland			BD-1216	1/2" — 12 Pt. Deep Socket ..	11	.71
	Nut Socket	41	.94	BD-1218	9/16" — 12 Pt. Deep Socket ..	11	.76
NMR-10	13/16" O. D. Packing Gland			BD-1220	5/8" — 12 Pt. Deep Socket ..	11	.76
	Nut Socket	41	.94	BD-1222	11/16" — 12 Pt. Deep Socket ..	11	.83
NMR-15	Kerotest Valve Packing Nut			BD-1224	3/4" — 12 Pt. Deep Socket ..	11	.87
	Socket	41	1.26	BD-1226	13/16" — 12 Pt. Deep Socket ..	11	1.01
3/8" Drive Bantam "Supersockets", Handles and Parts				BU-1212	3/8" — 12 Pt. Univ. Socket ..	11	2.29
B-15	Speeder—Revolving Grip,			BU-1214	7/16" — 12 Pt. Univ. Socket ..	11	2.29
	16-1/2"	10	1.86	BU-1216	1/2" — 12 Pt. Univ. Socket ..	11	2.29
B-20A	Sliding T Handle, 6-1/2"	10	1.41	BU-1218	9/16" — 12 Pt. Univ. Socket ..	11	2.29
B-30	Offset Handle, 7-3/4"	10	1.60	BU-1220	5/8" — 12 Pt. Univ. Socket ..	11	2.29
B-40	Flex Handle with Cross Hole,			BU-1222	11/16" — 12 Pt. Univ. Socket ..	11	2.48
	8-1/2"	10	2.66	BU-1224	3/4" — 12 Pt. Univ. Socket ..	11	2.48
B-42B	Sliding Bar for B-40	10	.35	BD-814	7/16" — 8 Pt. Deep Socket ..	11	.90
B-50	Ratchet—3/8" Plug Connector,			BD-816	1/2" — 8 Pt. Deep Socket ..	11	.90
	6-1/2"	10	3.78	BD-818	9/16" — 8 Pt. Deep Socket ..	11	.96
B-50A	Ratchet—1/4" Square Drive			BD-820	5/8" — 8 Pt. Deep Socket ..	11	.96
	Opening, 6-1/2"	10	3.78	AB-608	1/4" — Hex Hollow Screw Bit	39	.95
B-50B	Ratchet—5/16" Square Drive			AB-610	5/16" — Hex Hollow Screw Bit	39	.95
	Opening, 6-1/2"	10	3.46	BC-1700	3/8" — Crowfoot Attach.	11	.84
B-51	Reversible Ratchet, 6-1/2"	10	4.54	BC-1701	7/16" — Crowfoot Attach.	11	.84
				BC-1001	1/2" — Crowfoot Attach.	11	.92
				BC-1702	9/16" — Crowfoot Attach.	11	.99
				BC-1703	5/8" — Crowfoot Attach.	11	.99
				BC-1003	11/16" — Crowfoot Attach.	11	1.06

AUTOMOTIVE PRICE SHEET

No.	Description	Cat. Page	PRICE	No.	Description	Cat. Page	PRICE
1/2" Drive Standard "Supersockets", Handles and Parts				1/2" Drive Standard "Supersockets", Handles and Parts—Continued			
S-10	Speeder—Revolving Grips, 12"	16	\$ 2.56	SD-1228T	7/8" —12 Pt. Deep Socket..	18	\$ 1.23
S-15	Speeder—Revolving Grips, 17-1/2"	16	2.56	SD-1230	15/16"—12 Pt. Deep Socket..	18	1.38
S-20A	Sliding T Handle, 11"	16	1.86	SD-1232	1" —12 Pt. Deep Socket..	18	1.47
SB-30	Screw Driver Attachment, 7/64" x 15/16" Blade	16	1.02	SD-1234	1-1/16"—12 Pt. Deep Socket..	18	1.59
SB-40	Screw Driver Attachment, 3/32" x 1-1/4" Blade	16	1.06	SD-1236	1-1/8" —12 Pt. Deep Socket..	18	1.73
S-40	Flex Handle with Cross Hole, 12"	16	3.81	SU-1216	1/2" —12 Pt. Univ. Socket	17	2.42
S-41	Flex Handle with Cross Hole, 17-1/4"	16	3.94	SU-1218	9/16"—12 Pt. Univ. Socket	17	2.42
S-42B	Sliding Bar for S-40 and S-41	16	.40	SU-1220	5/8" —12 Pt. Univ. Socket	17	2.42
S-50	Ratchet with Plug Connector, 10"	16	4.73	SU-1222	11/16"—12 Pt. Univ. Socket	17	2.42
S-51	Reversible Ratchet, 10-1/2"	16	6.04	SU-1224	3/4" —12 Pt. Univ. Socket	17	2.42
S-55	Reversible Ratchet Adapter, 2-9/16"	16	5.12	ST-810	5/16" —8 Pt. Socket.....	17	.70
S-57	Torque "Measurrench", 19-1/2"	16	39.00	ST-812	3/8" —8 Pt. Socket.....	17	.70
S-60B	Stud Remover, 5/16" to 3/4" Capacity	16	4.20	ST-814	7/16" —8 Pt. Socket.....	17	.70
S-102P	Extension, 2-1/2"	16	1.15	ST-816	1/2" —8 Pt. Socket.....	17	.70
S-110P	Extension, 5-1/2"	16	1.15	ST-818	9/16" —8 Pt. Socket.....	17	.77
S-115P	Extension, 10-1/2"	16	1.58	ST-0818	9/16" —8 Pt. Socket.....	17	.95
S-121P	Extension, 20"	16	2.38	ST-820	5/8" —8 Pt. Socket.....	17	.77
SH-130	Adapter—1/2" sq. Female, 3/4" sq. Male	16	1.31	ST-822	11/16" —8 Pt. Socket.....	17	.84
SH-131	Adapter—1/2" sq. Male, 3/4" sq. Female	16	1.36	ST-824	3/4" —8 Pt. Socket.....	17	.92
S-140	Universal Joint	16	2.35	ST-828	7/8" —8 Pt. Socket.....	17	1.06
SC-8	Adj. Crowfoot Attachment—15/16" Capacity	16	2.90	ST-832	1" —8 Pt. Socket.....	17	1.26
S-150A	Plug Connector for S-50 Ratchet	16	.72	AS-612	3/8" Hex Hollow Screw Bit	39	1.08
ST-1212	3/8" —12 Pt. Socket.....	17	.63	AS-616	1/2" Hex Hollow Screw Bit	39	1.08
ST-1214	7/16" —12 Pt. Socket.....	17	.63	AS-618	9/16" Hex Hollow Screw Bit	39	1.08
ST-1216	1/2" —12 Pt. Socket.....	17	.63	AS-620	5/8" Hex Hollow Screw Bit	39	1.08
ST-1218	9/16" —12 Pt. Socket.....	17	.63	3/4" Drive Heavy Duty "Supersockets", Handles and Parts			
SF-1218	9/16" —12 Pt. Socket.....	17	.83	H-20A	Sliding T Handle, 17-1/2"	26	3.63
ST-1219	19/32" —12 Pt. Socket.....	17	.63	H-41	Flex Handle with Cross Hole, 20"	26	7.65
ST-1220	5/8" —12 Pt. Socket.....	17	.63	H-41B	Sliding Bar for H-41 and NX-41	26	.62
ST-1221	21/32" —12 Pt. Socket.....	17	.74	H-50	Ratchet with Plug Connector, 18-1/2"	26	11.00
ST-1222	11/16" —12 Pt. Socket.....	17	.74	H-51	Reversible Ratchet, 19"	26	13.83
ST-1224	3/4" —12 Pt. Socket.....	17	.81	H-104	Extension, 4"	26	2.32
ST-1225	25/32" —12 Pt. Socket.....	17	.81	H-110	Extension, 8"	26	2.55
ST-1226	13/16" —12 Pt. Socket.....	17	.81	H-115	Extension, 15-1/2"	26	3.17
ST-1228	7/8" —12 Pt. Socket.....	17	.87	HNX-130	Adapter—3/4" sq. Female, 1" sq. Male	26	2.66
ST-1230	15/16" —12 Pt. Socket.....	17	.95	H-130	Adapter—3/4" sq. Female 1" hex Male	26	1.60
ST-1231	31/32" —12 Pt. Socket.....	17	.95	H-140	Universal Joint	26	6.57
ST-1232	1" —12 Pt. Socket.....	17	.95	H-150	Ratchet Plug-Connector	26	1.27
ST-1234	1-1/16" —12 Pt. Socket.....	17	1.06	HH-150	Plug Adapter—5/8" and 3/4" sq. Male	26	1.60
ST-1236	1-1/8" —12 Pt. Socket.....	17	1.23	HNX-151	Adapter—3/4" sq. Male, 1" sq. Male	26	1.73
ST-1238	1-3/16" —12 Pt. Socket.....	17	1.30	H-1228	7/8" —12 Pt. Socket.....	27	1.08
ST-1240	1-1/4" —12 Pt. Socket.....	17	1.37	H-1230	15/16" —12 Pt. Socket.....	27	1.15
SD-1216	1/2" —12 Pt. Deep Socket..	18	1.08	H-1231	31/32" —12 Pt. Socket.....	27	1.15
SD-1218	9/16" —12 Pt. Deep Socket..	18	1.08	H-1232	1" —12 Pt. Socket.....	27	1.15
SD-1220	5/8" —12 Pt. Deep Socket..	18	1.16	H-1234	1- 1/16" —12 Pt. Socket.....	27	1.31
SD-1222	11/16" —12 Pt. Deep Socket..	18	1.16	H-1236	1- 1/8" —12 Pt. Socket.....	27	1.39
SD-1224	3/4" —12 Pt. Deep Socket..	18	1.16	H-1238	1- 3/16" —12 Pt. Socket.....	27	1.47
SD-1226	13/16" —12 Pt. Deep Socket..	18	1.23	H-1240	1- 1/4" —12 Pt. Socket.....	27	1.54
SD-1228	7/8" —12 Pt. Deep Socket..	18	1.23				

WILLIAMS

J. H. WILLIAMS & CO. — BUFFALO, NEW YORK —

AUTOMOTIVE PRICE SHEET

No.	Description	Cat. Page	PRICE	No.	Description	Cat. Page	PRICE
3/4" Drive Heavy Duty "Supersockets", Handles and Parts—Continued				"Supersocket" Sets			
H-1242	1- 5/16"—12 Pt. Socket.....	27	\$ 1.62	NM-1	1/4" Dr. Set in Metal Case ...	6	\$ 7.40
H-1244	1- 3/8" —12 Pt. Socket.....	27	1.77	NM-2	1/4" Dr. Set in Metal Case ...	6	12.90
H-1246	1- 7/16"—12 Pt. Socket.....	27	1.93	NM-3	1/4" Dr. Set in Metal Case ...	7	6.53
H-1248	1- 1/2" —12 Pt. Socket.....	27	2.70	NM-4	1/4" Dr. Set in Metal Case ...	7	8.86
H-1252	1- 5/8" —12 Pt. Socket.....	27	2.86	NM-5	1/4" Dr. Set in Metal Case ...	8	13.24
H-1254	1-11/16"—12 Pt. Socket.....	27	3.01	NM-6	1/4" Dr. Set in Metal Case ...	8	19.27
H-1256	1- 3/4" —12 Pt. Socket.....	27	3.09	NM-7	1/4" Dr. Set in Metal Case ...	9	16.53
H-1258	1-13/16"—12 Pt. Socket.....	27	3.24	NM-8	1/4" Dr. Set in Metal Case ...	9	37.26
H-1260	1- 7/8" —12 Pt. Socket.....	27	3.47	B-1	3/8" Dr. Set in Metal Case ...	12	12.08
H-1264	2" —12 Pt. Socket.....	27	3.86	B-2	3/8" Dr. Set in Cardboard Box	12	16.41
H-1266	2- 1/16"—12 Pt. Socket.....	27	4.30	B-3	3/8" Dr. Set in Cardboard Box	12	5.64
H-1268	2- 1/8" —12 Pt. Socket.....	27	4.55	B-4	3/8" Dr. Set in Metal Case ...	13	24.75
H-1270	2- 3/16"—12 Pt. Socket.....	27	5.00	B-5	3/8" Dr. Set in Metal Case ...	14	57.56
H-1272	2- 1/4" —12 Pt. Socket.....	27	6.57	B-6	3/8" Dr. Set in Metal Case ...	15	41.25
HD-1230	15/16"—12 Pt. Deep Socket..	27	1.70	S-1	1/2" Dr. Set in Metal Case ...	20	16.35
HD-1234	1- 1/16"—12 Pt. Deep Socket..	27	1.95	S-2	1/2" Dr. Set in Metal Case ...	20	15.35
HD-1240	1- 1/4" —12 Pt. Deep Socket..	27	2.40	S-3	1/2" Dr. Set in Metal Case ...	21	16.07
HD-1246	1- 7/16"—12 Pt. Deep Socket..	27	2.65	S-4	1/2" Dr. Set in Metal Case ...	21	24.91
1" Square Drive Extra Heavy Duty "Supersockets", Handles and Parts				S-5	1/2" Dr. Set in Metal Case ...	22	43.56
NX-20B	Sliding Handle, 20".....	30	2.74	S-6	1/2" Dr. Set in Metal Case ...	23	51.29
NX-20C	Adapter for NX-20B.....	30	3.64	S-7	1/2" Dr. Set in Metal Case ...	24	77.50
NX-41	Flex Handle with Cross Hole, 27".....	30	26.68	S-7A	1/2" Dr. Set in Metal Case ...	24	86.24
NX-51	Reversible Ratchet, 25".....	30	36.80	S-8	1/2" Dr. Set in Cardboard Box	18	7.71
NX-110	Extension, 9".....	30	5.64	S-9	1/2" Dr. Set in Cardboard Box	18	5.40
NX-115	Extension, 18".....	30	7.28	S-10	Combination Set in Metal Case	25	100.93
X-150	Plug-Connector—1" hex.....	30	3.20	S-11	1/2" Dr. Set in Cardboard Box	20	12.10
XX-130	Adapter—1" sq. Female,	30	4.16	H-1	3/4" Dr. Set in Metal Case ...	28	29.60
XX-131	Adapter—1" hex Female, 1" sq. Male.....	30	4.16	H-2	3/4" Dr. Set in Metal Case ...	28	38.03
XX-150	Adapter—1" sq. Male, 1" hex Male.....	30	3.40	H-3	3/4" Dr. Set in Metal Case ...	29	76.76
NX-1234	1- 1/16"—12 Pt. Socket.....	31	2.28	NX-1	1" Dr. Set in Metal Case ...	32	156.52
NX-1236	1- 1/8" —12 Pt. Socket.....	31	2.28	NX-2	1" Dr. Set in Metal Case ...	33	62.76
NX-1240	1- 1/4" —12 Pt. Socket.....	31	2.50	NX-3	1" Dr. Set in Metal Case ...	33	107.20
NX-1244	1- 3/8" —12 Pt. Socket.....	31	2.66	R-19A	Refrig. Set in Metal Case.....	41	21.68
NX-1246	1- 7/16"—12 Pt. Socket.....	31	2.80	AL-102	Hollow Screw Set in Metal Case	39	23.08
NX-1248	1- 1/2" —12 Pt. Socket.....	31	3.40	1001	"Superchest" Combination Set	34	221.12
NX-1252	1- 5/8" —12 Pt. Socket.....	31	3.82	2001	"Superchest" Combination Set	36	299.95
NX-1258	1-13/16"—12 Pt. Socket.....	31	4.90	Metal Cases Only			
NX-1260	1- 7/8" —12 Pt. Socket.....	31	5.64	NM-1	Case— 7 x 2-1/8 x 1-1/8"	6	1.85
NX-1264	2" —12 Pt. Socket.....	31	6.02	NM-2	Case— 7-1/2 x 3-1/4 x 1-1/8"	6	2.15
NX-1268	2- 1/8" —12 Pt. Socket.....	31	7.32	NM-3	Case— 7 x 2-1/8 x 1-1/8"	7	1.85
NX-1270	2- 3/16"—12 Pt. Socket.....	31	7.84	NM-4	Case— 7 x 2-1/8 x 1-1/8"	7	1.80
NX-1272	2- 1/4" —12 Pt. Socket.....	31	8.38	NM-5	Case— 7-1/2 x 3-1/4 x 1-1/8"	8	2.10
NX-1276	2- 3/8" —12 Pt. Socket.....	31	10.02	NM-6	Case— 7-1/2 x 3-1/4 x 1-1/8"	8	2.15
NX-1280	2- 1/2" —12 Pt. Socket.....	31	12.02	NM-7	Case— 7-1/2 x 3-1/4 x 1-1/8"	9	2.20
NX-1282	2- 9/16"—12 Pt. Socket.....	31	13.04	NM-8	Case— 8 x 5-7/8 x 1-3/8"	9	2.40
NX-1284	2- 5/8" —12 Pt. Socket.....	31	14.56	B-1	Case— 7-3/4 x 2-1/4 x 1-1/4"	12	1.80
NX-1288	2- 3/4" —12 Pt. Socket.....	31	16.40	B-4	Case—17-3/4 x 5-1/4 x 1-1/4"	13	2.90
NX-1294	2-15/16"—12 Pt. Socket.....	31	21.86	B-5	Case—19-1/4 x 6-1/2 x 2"	14	5.70
NX-12100	3- 1/8" —12 Pt. Socket.....	31	26.38	B-6	Case—19-1/4 x 6-1/2 x 2"	15	5.80
				S-1	Case—12-1/2 x 3 x 2-1/8"	20	2.35
				S-2	Case—12-1/2 x 3 x 2-1/8"	20	2.25
				S-3	Case—12-1/2 x 3 x 2-1/8"	21	2.45
				S-4	Case—12 x 3-3/4 x 2-1/8"	21	2.50

AUTOMOTIVE PRICE SHEET

No.	Description	Cat. Page	PRICE	No.	Description	Cat. Page	PRICE
Metal Cases Only—Continued							
S-5	Case—20-3/4 x 7-1/2 x 2-1/4"	22	\$ 9.75	46	6" Electricians' Rd. Blade ...	64	\$ 1.00
S-6	Case—20-3/4 x 7-1/2 x 2-1/4"	23	10.15	50	10" Electricians' Rd. Blade ...	64	1.16
S-7	Case—23-1/4 x 7-1/2 x 5-3/8"	24	13.20	52	2-1/4" Pocket Round Blade ...	64	.34
S-7A	Case—23-1/4 x 7-1/2 x 5-3/8"	24	13.60	62	1-1/2" Regular Stubby ...	64	.68
S-10	Case—23-1/4 x 7-1/2 x 6-3/4"	25	15.15	WP-1	3" Phillips ...	64	.64
H-1	Case—18 x 4 x 5-3/8"	28	9.00	WP-2	4" Phillips ...	64	.68
H-2	Case—19-3/4 x 4-1/2 x 2-3/4"	28	9.00	WP-3	6" Phillips ...	64	.78
H-3	Case—23-1/4 x 7-1/2 x 5-3/8"	29	12.50	WP-4	8" Phillips ...	64	1.00
NX-1	Case—29-1/4 x 8 x 4-1/4"	32	13.86	WP-62	1-1/2" Phillips Stubby ...	64	.58
NX-2	Case—20-3/4 x 5-1/4 x 4-1/2"	33	12.84	1-D	Set of 5—Sq. Blade in Box ...	65	7.28
NX-3	Case—26 x 6-1/2 x 4-1/4"	33	13.20	2-D	Set of 4—Rd. Blade in Box ...	65	6.08
R-19A	Case—7-3/4 x 3-3/8 x 1-1/4"	41	2.40	3-D	Set of 4—Electricians' in Box ...	65	3.26
AL-102	Case—12-1/2 x 3 x 1-1/2"	39	3.36	WP-5	Set of 5—Phillips in Box ...	65	3.66
1001	Chest—23-1/2 x 12 x 10-1/4"	34	58.35	Soft-Face Hammers			
2001	Chest—23-1/2 x 15-1/8 x 12-5/8"	36	65.25	100-1	5 oz. Soft Tip ...	62	2.88
Williams' Pliers				100-2	5 oz. Med. Tip ...	62	2.88
5	5" Comb. Slip-Joint ...	66A	.78	100-3	5 oz. Tough Tip ...	62	2.88
6	6" Comb. Slip-Joint ...	66A	.78	100-4	5 oz. Nylon Tip ...	62	3.60
8	8" Comb. Slip-Joint ...	66A	1.08	105-1	8 oz. Soft Tip ...	62	3.36
10	10" Comb. Slip-Joint ...	66A	1.50	105-2	8 oz. Med. Tip ...	62	3.36
37	7" Slip-Joint—Side Cutter ...	66A	1.44	105-3	8 oz. Tough Tip ...	62	3.36
46	6" Diagonal Cutting ...	66A	2.34	105-4	8 oz. Nylon Tip ...	62	3.96
47	7" Diagonal Cutting ...	66A	2.58	150-1	3/4 lb. Soft Tip ...	62	4.32
57	7" High Leverage Diag. Cut. ...	66A	2.20	150-2	3/4 lb. Med. Tip ...	62	4.32
67	7" Battery ...	66A	1.30	150-3	3/4 lb. Tough Tip ...	62	4.32
76	6" L. Chain Nose—Side Cut. ...	66B	2.30	150-4	3/4 lb. Nylon Tip ...	62	6.36
77	7" L. Chain Nose—Side Cut. ...	66B	2.70	155-1	1-1/4 lb. Soft Tip ...	62	5.04
86	6" Long Chain Nose ...	66B	1.80	155-2	1-1/4 lb. Med. Tip ...	62	5.04
87	7" Long Chain Nose ...	66B	2.00	155-3	1-1/4 lb. Tough Tip ...	62	5.04
95	5" S. Chain Nose—Side Cut. ...	66B	2.00	155-4	1-1/4 lb. Nylon Tip ...	62	6.72
105	5" Short Chain Nose ...	66B	1.70	200-1	1-1/4 lb. Soft Tip ...	62	5.76
116	6" Long Needle Nose ...	66B	2.10	200-2	1-1/4 lb. Med. Tip ...	62	5.76
126	6" Bent Needle Nose ...	66B	2.40	200-3	1-1/4 lb. Tough Tip ...	62	5.76
134	4" Round Nose ...	67	1.70	200-4	1-1/4 lb. Nylon Tip ...	62	9.12
136	6" Round Nose ...	67	2.10	205-1	2 lb. Soft Tip ...	62	6.48
146	6" Duck Bill ...	67	2.00	205-2	2 lb. Med. Tip ...	62	6.48
157	7" Extra Long Duck Bill ...	67	2.20	205-3	2 lb. Tough Tip ...	62	6.48
166	6" End Cutting Nipper ...	66B	2.25	205-4	2 lb. Nylon Tip ...	62	9.84
167	7" End Cutting Nipper ...	66B	2.50	207-1	3 lb. Soft Tip ...	62	7.92
178	8" Gas and Burner ...	67	1.80	207-2	3 lb. Med. Tip ...	62	7.92
180	10" Gas and Burner ...	67	2.30	207-3	3 lb. Tough Tip ...	62	7.92
190	10" Fence and Staple Puller ...	67	2.30	207-4	3 lb. Nylon Tip ...	62	10.86
196	6" L. Flat Nose—Side Cut. ...	67	2.70	250-1	2 lb. Soft Tip ...	63	9.36
1515	8" Lock Ring ...	66	2.64	250-2	2 lb. Med. Tip ...	63	9.36
1517	13" Brake Spring ...	66	2.74	250-3	2 lb. Tough Tip ...	63	9.36
1519	4-1/2" "Superpliers" ...	66	1.68	250-4	2 lb. Nylon Tip ...	63	14.40
1520	9-1/2" "Superpliers" ...	66	2.32	255-1	4 lb. Soft Tip ...	63	10.80
1521	10" "Superpliers" ...	66	4.68	255-2	4 lb. Med. Tip ...	63	10.80
Screw Drivers and Sets				255-3	4 lb. Tough Tip ...	63	10.80
4	4" Regular Square Blade ...	64	\$ 1.10	255-4	4 lb. Nylon Tip ...	63	15.12
6	6" Regular Square Blade ...	64	1.48	300-1	3-1/2 lb. Soft Tip ...	63	14.40
6B	6" Regular Square Blade ...	64	1.62	300-2	3-1/2 lb. Med. Tip ...	63	14.40
8	8" Regular Square Blade ...	64	1.84	300-3	3-1/2 lb. Tough Tip ...	63	14.40
12	12" Regular Square Blade ...	64	2.20	300-4	3-1/2 lb. Nylon Tip ...	63	23.52
24	4" Regular Round Blade ...	64	1.00	305-1	6 lb. Soft Tip ...	63	18.00
26	6" Regular Round Blade ...	64	1.36	305-2	6 lb. Med. Tip ...	63	18.00
28	8" Regular Round Blade ...	64	1.68	305-3	6 lb. Tough Tip ...	63	18.00
32	12" Regular Round Blade ...	64	2.04	305-4	6 lb. Nylon Tip ...	63	24.60
43	3" Electricians' Rd. Blade ...	64	.78	307-2	9 lb. Med. Tip ...	63	23.04
				307-3	9 lb. Tough Tip ...	63	23.04

J. H. WILLIAMS & CO.

WILLIAMS

BUFFALO, NEW YORK

AUTOMOTIVE PRICE SHEET

No.	Description	Cat. Page	PRICE	No.	Description	Cat. Page	PRICE
Soft-Face Hammers—Continued				Ball Pein, Body and Fender Hammers			
307-4	9 lb. Nylon Tip.....	63	\$31.80	7-0	2 oz. Ball Pein.....	73	\$ 1.08
308-2	12 lb. Med. Tip.....	63	25.92	5-0	1/4 lb. Ball Pein.....	73	1.08
308-3	12 lb. Tough Tip.....	63	25.92	3-0	1/2 lb. Ball Pein.....	73	1.20
308-4	12 lb. Nylon Tip.....	63	34.68	2-0	3/4 lb. Ball Pein.....	73	1.20
Extra Soft-Face Tips—"Nuplaflex" and Nylon				0	1 lb. Ball Pein.....	73	1.26
10-1	1" Diam. Soft Tip.....	63	.72	2	1-1/2 lbs. Ball Pein.....	73	1.50
10-2	1" Diam. Med. Tip.....	63	.72	4	2 lbs. Ball Pein.....	73	1.74
10-3	1" Diam. Tough Tip.....	63	.72	6	2-1/2 lbs. Ball Pein.....	73	1.98
10-4	1" Diam. Nylon Tip.....	63	1.08	42-H	Magnetic Trimmers.....	70	2.04
15-1	1-1/2" Diam. Soft Tip.....	63	1.20	150-G	Dinging.....	70	3.24
15-2	1-1/2" Diam. Med. Tip.....	63	1.20	155	Fender Bumper.....	70	3.24
15-3	1-1/2" Diam. Tough Tip.....	63	1.20	156	Finishing.....	70	3.24
15-4	1-1/2" Diam. Nylon Tip.....	63	2.04	156-GB	Curved Finishing.....	70	3.24
20-1	2" Diam. Soft Tip.....	63	1.80	158-G	Finishing.....	70	3.24
20-2	2" Diam. Med. Tip.....	63	1.80	160-G	Bumping.....	70	2.64
20-3	2" Diam. Tough Tip.....	63	1.80	161-G	Dinging.....	70	2.64
20-4	2" Diam. Nylon Tip.....	63	3.24	164-G	Utility.....	70	2.82
25-1	2-1/2" Diam. Soft Tip.....	63	3.24	Dolly Blocks and Spoons			
25-2	2-1/2" Diam. Med. Tip.....	63	3.24	1058	Toe Dolly.....	71	3.12
25-3	2-1/2" Diam. Tough Tip.....	63	3.24	1059	Heel Dolly.....	71	2.88
25-4	2-1/2" Diam. Nylon Tip.....	63	5.40	1060	General Purpose Dolly.....	71	4.50
30-1	3" Diam. Soft Tip.....	63	5.34	1068	Low Crown Dolly.....	71	3.60
30-2	3" Diam. Med. Tip.....	63	5.34	1070	Heavy Duty Dolly.....	71	5.40
30-3	3" Diam. Tough Tip.....	63	5.34	1045	Long Turret Top Spoon.....	71	3.24
30-4	3" Diam. Nylon Tip.....	63	9.72	1050	Combination Spoon.....	71	3.24
Punches, Chisels and Sets				1054	Long Curved Spoon.....	71	2.28
P-4	1/8" Point Pin Punch.....	68	.56	Whitworth and Metric Alloy "Superrenches"—D. H. Open End and Sets			
P-6	3/16" Point Pin Punch.....	68	.66	W1021	1/8" & 3/16" B.S.W. Bolt Size	76	.56
P-8	1/4" Point Pin Punch.....	68	.80	W1022	1/8" & 1/4" B.S.W. Bolt Size	76	.70
P-13	3/32" Point Solid Punch.....	68	.66	W1023	3/16" & 1/4" B.S.W. Bolt Size	76	.70
P-14	1/8" Point Solid Punch.....	68	.80	W1025	1/4" & 5/16" B.S.W. Bolt Size	76	.84
P-25	5/32" Point Long Taper Punch	68	.78	W1027	5/16" & 3/8" B.S.W. Bolt Size	76	1.30
P-26	3/16" Point Long Taper Punch	68	.90	W1028	5/16" & 7/16" B.S.W. Bolt Size	76	1.27
P-30	Prick Punch.....	68	.48	W1029	3/8" & 7/16" B.S.W. Bolt Size	76	1.30
P-40	Center Punch.....	68	.48	W1030	3/8" & 1/2" B.S.W. Bolt Size	76	1.30
C-8	1/4" Cold Chisel.....	68	.56	W1031	7/16" & 1/2" B.S.W. Bolt Size	76	1.69
C-12	3/8" Cold Chisel.....	68	.66	W1033	1/2" & 9/16" B.S.W. Bolt Size	76	1.69
C-16	1/2" Cold Chisel.....	68	.76	W1034	1/2" & 5/8" B.S.W. Bolt Size	76	2.15
C-20	5/8" Cold Chisel.....	68	.90	W1037	5/8" & 3/4" B.S.W. Bolt Size	76	2.68
C-24	3/4" Cold Chisel.....	68	1.10	W1025	Set-6 D. H. Op. End Wrs.-Roll	76	9.60
C-36	1-1/8" Cold Chisel.....	68	1.74	W1025	Set-6 D. H. Op. End Wrs.-Box	76	7.90
C-422	11/16" Rivet Buster.....	68	1.74	M1021	6 & 8 m/m Openings.....	76	.56
C-6	Set of 6 Chisels in Roll.....	69	6.54	M1021T	8 & 10 m/m Openings.....	76	.56
C-6	Set of 6 Chisels in Box.....	69	5.70	M1023	10 & 12 m/m Openings.....	76	.70
P-9	Set of 9 Punches in Roll.....	69	6.96	M1025	12 & 14 m/m Openings.....	76	.84
P-9	Set of 9 Punches in Box.....	69	6.06	M1027	14 & 16 m/m Openings.....	76	1.30
PC-15	Set of Punches and Chisels in Roll.....	69	13.20	M1028	16 & 18 m/m Openings.....	76	1.27
PC-15	Set of Punches and Chisels in Box.....	69	11.80	M1028T	17 & 19 m/m Openings.....	76	1.27
Files and File Holders				M1029	18 & 20 m/m Openings.....	76	1.30
1150	Adjustable File Holder.....	72	4.80	M1031	20 & 22 m/m Openings.....	76	1.69
14"	Flexible Curved Tooth File...	72	3.66	M1031T	21 & 23 m/m Openings.....	76	1.69
				M1032	22 & 25 m/m Openings.....	76	1.69
				M1033	24 & 26 m/m Openings.....	76	1.69
				M1035	25 & 26 m/m Openings.....	76	2.15
				M1025	Set-6 D.H. Op. End Wrs.-Roll	76	9.20
				M1025	Set-6 D.H. Op. End Wrs.-Box	76	7.50

AUTOMOTIVE PRICE SHEET

No.	Description	Cat. Page	PRICE	No.	Description	Cat. Page	PRICE
Whitworth and Metric Alloy "Superrenches"—Double Offset Box and Sets				Whitworth and Metric Alloy "Supersockets", Handles and Parts—Continued			
W8723	1/8" & 3/16" B.S.W. Bolt Size	76	\$ 1.01	S-50	Ratchet with Plug-Connector, 10".....	74	\$ 4.73
W8025	3/16" & 1/4" B.S.W. Bolt Size	76	1.12	S-51	Reversible Ratchet, 10-1/2"...	74	6.04
W8727	1/4" & 5/16" B.S.W. Bolt Size	76	1.17	S-55	Reversible Ratchet Adapter, 2-9/16".....	74	5.12
W8729	5/16" & 3/8" B.S.W. Bolt Size	76	1.30	S-57	Torque "Measurrench", 19-1/2"	74	39.00
W8029	3/8" & 7/16" B.S.W. Bolt Size	76	1.30	S-102P	Extension, 2-1/2".....	74	1.15
W8733	7/16" & 1/2" B.S.W. Bolt Size	76	2.05	S-110P	Extension, 5-1/2".....	74	1.15
W8033C	1/2" & 9/16" B.S.W. Bolt Size	76	2.05	S-115P	Extension, 10-1/2".....	74	1.58
W8034A	1/2" & 5/8" B.S.W. Bolt Size	76	3.10	S-121P	Extension, 20".....	74	2.38
W8037	9/16" & 5/8" B.S.W. Bolt Size	76	3.42	S-140	Universal Joint.....	74	2.35
W8039	11/16" & 3/4" B.S.W. Bolt Size	76	4.52	SC-8	Adjustable Crowfoot Attach., 15/16" Capacity.....	74	2.90
W8039A	5/8" & 3/4" B.S.W. Bolt Size	76	4.52	STW-1206	3/16" B.S.W. Bolt Size.....	74	.63
W8039B	3/4" & 7/8" B.S.W. Bolt Size	76	4.52	STW-1208	1/4" B.S.W. Bolt Size.....	74	.63
W8041	7/8" & 1" B.S.W. Bolt Size..	76	5.62	STW-1210	5/16" B.S.W. Bolt Size.....	74	.63
W8045	1-1/8" & 1-1/4" B.S.W. Bolt Size.....	76	9.72	STW-1212	3/8" B.S.W. Bolt Size.....	74	.81
W8049	1-3/8" & 1-1/2" B.S.W. Bolt Size.....	76	12.38	STW-1214	7/16" B.S.W. Bolt Size.....	74	.81
W8006	Set of 6 Offset Box Wrenches in Roll.....	76	11.10	STW-1216	1/2" B.S.W. Bolt Size.....	74	.95
W8006	Set of 6 Offset Box Wrenches in Box.....	76	8.70	STW-1218	9/16" B.S.W. Bolt Size.....	74	.95
M8021	8 & 10 m/m Openings.....	76	.85	STW-1220	5/8" B.S.W. Bolt Size.....	74	1.06
M8723	9 & 11 m/m Openings.....	76	1.01	STW-1222	11/16" B.S.W. Bolt Size.....	74	1.30
M8023	10 & 12 m/m Openings.....	76	1.01	STW-1224	3/4" B.S.W. Bolt Size.....	74	1.37
M8025A	12 & 13 m/m Openings.....	76	1.12	STM-1210	10 m/m Opening.....	74	.63
M8725B	13 & 14 m/m Openings.....	76	1.12	STM-1211	11 m/m Opening.....	74	.63
M8025	13 & 15 m/m Openings.....	76	1.12	STM-1212	12 m/m Opening.....	74	.63
M8727	14 & 16 m/m Openings.....	76	1.17	STM-1213	13 m/m Opening.....	74	.63
M8727A	15 & 17 m/m Openings.....	76	1.30	STM-1214	14 m/m Opening.....	74	.63
M8729	16 & 18 m/m Openings.....	76	1.30	STM-1215	15 m/m Opening.....	74	.63
M8029	17 & 19 m/m Openings.....	76	1.30	STM-1216	16 m/m Opening.....	74	.63
M8729A	18 & 19 m/m Openings.....	76	1.41	STM-1217	17 m/m Opening.....	74	.74
M8731A	18 & 20 m/m Openings.....	76	1.41	STM-1218	18 m/m Opening.....	74	.74
M8031B	19 & 20 m/m Openings.....	76	1.41	STM-1219	19 m/m Opening.....	74	.81
M8731B	21 & 22 m/m Openings.....	76	1.41	STM-1220	20 m/m Opening.....	74	.81
M8033	23 & 24 m/m Openings.....	76	2.05	STM-1221	21 m/m Opening.....	74	.81
M8033C	23 & 25 m/m Openings.....	76	2.05	STM-1222	22 m/m Opening.....	74	.87
M8034	23 & 27 m/m Openings.....	76	3.10	STM-1223	23 m/m Opening.....	74	.95
M8735A	25 & 28 m/m Openings.....	76	3.42	STM-1224	24 m/m Opening.....	74	.95
M8735	26 & 29 m/m Openings.....	76	3.42	STM-1225	25 m/m Opening.....	74	.95
M8039	30 & 32 m/m Openings.....	76	4.52	STM-1226	26 m/m Opening.....	74	.95
M8006	Set of 6 Offset Box Wrenches in Roll.....	76	10.55	STM-1227	27 m/m Opening.....	74	1.06
M8006	Set of 6 Offset Box Wrenches in Box.....	76	8.15	STM-1228	28 m/m Opening.....	74	1.06
Whitworth and Metric Alloy "Supersockets", Handles and Parts				STM-1229	29 m/m Opening.....	74	1.23
S-10	Speeder, 12".....	74	2.56	STM-1230	30 m/m Opening.....	74	1.30
S-15	Speeder, 17".....	74	2.56	STM-1231	31 m/m Opening.....	74	1.30
S-20A	Sliding T Handle, 11".....	74	1.86	STM-1232	32 m/m Opening.....	74	1.37
SB-30	Screw Driver Attachment, 7/64" x 15/16" Blade.....	74	1.02	STM-1233	33 m/m Opening.....	74	1.42
SB-40	Screw Driver Attachment, 3/32" x 1-1/4" Blade.....	74	1.06	STM-1234	34 m/m Opening.....	74	1.48
S-40	Flex Handle with Cross Hole, 12".....	74	3.81	STM-1235	35 m/m Opening.....	74	1.48
S-41	Flex Handle with Cross Hole, 17-1/4".....	74	3.94	STM-1236	36 m/m Opening.....	74	1.48
S-42B	Sliding Bar for S-40 and S-41.....	74	.40	Whitworth and Metric Alloy "Supersocket" Sets in Metal Cases			
				WS-3	1/2" Dr. Whitworth Socket Set	75	17.15
				WS-4	1/2" Dr. Whitworth Socket Set	75	23.55
				WS-4B	1/2" Dr. Whitworth Socket Set	75	18.45
				WS-5	1/2" Dr. Whitworth Socket Set	75	41.65
				MS-1	1/2" Dr. Metric Socket Set ...	75	21.75
				MS-1B	1/2" Dr. Metric Socket Set ...	75	16.65
				MS-4	1/2" Dr. Metric Socket Set ...	75	25.65
				MS-5	1/2" Dr. Metric Socket Set ...	75	46.55